INDEX

Trip to Germany by the Air Route." Address on, 990.

Accessions to Engineering Societies Library, 40, 163, 260, 365, 506, 638, 799, 901, 1009, 1144.

ACKHART, ANDREW LEWIS .- Transferred to Grade of Associate Member, 787.

ARTHUR. - Transferred Grade of Member, 601.

ADAMS, GEORGE NORRIS.-Elected an Associate Member, 348.

ADAMS, WALTER FRANCIS.—Elected a Junior, 349.

AEGERTER, ALBERT AUGUST,-Transferred to Grade of Member, 597. "Aerial Mail Service," Address on,

AFRICA, JAMES MURRAY .- Death announced. 990.

Airways. Transcontinental. - Statement Relative to Establishment of, In Connection with Aerial Mail Service, 1130.

Ajax Rubber Company, Inc.—Resolution of Board of Direction Relative to Lease of Society House to, 992.

ALEXANDER, ALBERT MANGUM.-Transferred to Grade of Associate

Member, 1104. ALEXANDER, ALEXANDER,—Elected an Associate Member, 107.

ALEXANDER, EDWARD PORTER.-Death announced, 991.

ALGER, RALPH TISDALE.—Transferred to Grade of Associate Member, 456.

ALLEN, CALVIN HARLOW .- Death announced, 784.

ALLEN, KENNETH BLISS .- Elected an Associate Member, 785.

ALLISON, LEONIDAS METCALF.—Elected an Associate Member, 348.
ALMY, EDWARD TABER, JR.—Elected

an Associate Member, 107.

ALVORD, JOHN WATSON .- On Committee on Special Committees, 238; Presents Report of Committee on AMERICAN

Special Committees, 457; Nominated as Director, 891; On Committee on Reconstruction, 1112.

American Academy of Engineers.-Relative to Letter Proposed Organization of, 237; Resolution of Board of Direction Relative to Organization of, 237.

to American Association of Engineers.-Invitation from, To Send Delegates to Annual Meeting of, 458; Resolution of Board of Direction Relative to Sending Delegates to Annual Meeting of, 458.

American Engineering Service Committee.-Statement by, Relative to Engineers in Government Service, 151.

American Institute of Electrical Engineers.—Welcome by, Of Society into Fraternity of Founder Societies, 8; Representative of, To Joint Engineering Congress at

Paris, 1107.
American Institute of Mining Engineers .- Welcome by, Of Society into Fraternity of Founder Societies, 8; Representative of, To Joint Engineering Congress at

Paris, 1107. American Society for Testing Materials .- Appointment Approved, As Member of Engineering Council, 994.

American Society of Civil Engineers. -Report of Representatives of. On Naval Consulting Board, 3, 236; Welcome of, Into Fraternity of Founder Societies, 8; Resolutions of Canadian Society of Civil Engineers Relative to Establishment of Closer Relations with, 143, 236; Resolution Relative to Memorial Tablet for Members of, Who May Lose Their Lives in Present War, 233; Appointment of Representatives of, To Meeting of National Security League, 236; Appointment of Represen-

tative of, On United Engineer- Annual Meeting .- Minutes of, 103, ing Society Board, 236, 994; Appointment of Representative of, On Engineering Foundation, 236, 602; Resignation of Representative of, On Engineering Council, 236; Appointment of Representative of, On Engineering Council, 236; Appointment of an Ass Counsel for, 237; Resolution of APESECHE, Board of Direction Relative to Remittance of Dues of Members of, During Military Service, 457, 460; Representation of, At Public Hearing on Report of Screw Thread Tolerance Committee of American Society of Mechanical Engineers, 602; Preamble and Resolutions of Board of Direction Relative to Appointment of Committee on Development of, 603, 604; Precept Prepared by President Arthur N. Talbot for Guidance of Committee on Development of, 881; Appointment of Committee on Development of, 888; Appropriation and Mileage for Committee on Development of, Authorized, 993; Invitation Accepted, From French Society of Civil Engineers Relative to Sending Delegates to Joint Engineering Congress at Paris, 1107; Representatives of, To Joint Engineering Congress at Paris, 1107.

American Society of Mechanical Engineers.-Welcome by, Of Society into Fraternity of Founder Societies, 8; Report on Representation of Society at Public Hearing on Report of Screw Thread Tolerance Committee of, 602; Action of Board of Direction Relative to Resolution of Detroit Section of, In Regard to Technical Courses for Women, 602; Representative of, To Joint Engineering Congress at Paris,

ANDERS, FRANK LA FAYETTE.—Transferred to Grade of Member, 350. Anderson, George G .- On Committee on Development, 888.

ANNEAR, EDGAR HABOLD.—Death announced, 880.

Announcements, 14, 152, 249, 354, 495, 618, 788, 891, 999, 1133.

110: Excursions and Entertainments at, 127, 132; Attendance at, 133; Committee of Arrangements for, 994, 999. Annual Convention, 1918.—Abandon-

ment of, Announced, 238.

ANSCHUTZ, HARRY EDWARD.-Elected an Associate Member, 1102. OVIDIO BENEDICTO.

Elected a Junior, 1103. AQUINO Y ANGELES, ALEJO.-Elected

a Junior, 787. Arizona, Proposed Water Code for .-Statement Relative to, 1131.

ARMSTRONG, CHARLES CHAMBERS.— Elected an Associate Member, 785.

ARMSTRONG, ROBERT STUART.-Death announced, 785.

ARNOLL, KINGSLEY PARKHURST. -Elected an Associate Member, 454.

ARNTSON, JULIAN ARTHUR.-Elected an Associate Member, 988.

ASHWORTH, FRANK KARR.—Elected an Associate Member, 599.

ASPINWALL, THOMAS.—Death announced, 456.

ATKINSON, ASHER .- Transferred Grade of Member, 350.

Atlanta Association.—Abstract Minutes of Meetings of, 17, 622, 792.

AUTEN, JOHN CUMMINGS .- Elected a Member, 596.

AXTELL, FRANK FOY .- Transferred to Grade of Member, 1103.

BACHARACH, ERIC WILLIAM.—Elected an Associate Member, 988.

BAILEY, FRANK HARRISON.—Elected a Member, 107. BAILEY, WILLIAM CARLYLE .- Elected

an Associate Member, 1102. EVERETT.—Trans-BAKER, GEORGE

ferred to Grade of Member, 601. BAKER, HAROLD WALLACE.—Transferred to Grade of Associate Member, 598.

BALL, EDWIN LEO.—Elected a Junior, 108.

Baltimore Association .- Abstract of Minutes of Meetings of, 622.

ELMER ELLSWORTH. BAPTISTE. Elected an Associate Member, 1102.

BARNARD, W. K .- On Nominating BEST, BYRON GAY .- Elected an Asso-Committee, 459.

BARNES, FRANK EDWIN.-Elected a Member, 987.

BARNES, T. HOWARD.-Address by, Relative to Earthquake in Guatemala, 595.

BARR, INGLE.—Elected a Junior, 787. BARRY, EDMUND JOSEPH.-Elected an BIRD, BYRON.-Elected an Associate Associate, 989.

ferred to Grade of Associate

Member, 787. SETT, WILLIAM BASSETT, MANNING. -

Elected an Associate Member, BLACKWELL, LINUS CRAMBLET.

BATES, ONWARD.—On Committee on Development, 888.

BAYLY, HOWARD PAUL.-Elected an Associate Member, 454.

BEAHAN, WILLARD.-Nominated as Director, 891.

BEALE, ALLAN SOUTHER.—Elected an Associate Member, 454. BEAM, CARL EUGENE.—Elected an As-

sociate Member, 348. BECK, EDWARD ADAM.-Transferred

to Grade of Member, 1103. Beebe, Ralph Agustus.—Transferred

to Grade of Member, 350. BEEKMAN, JOHN VANDEVEER, JR .-

Transferred to Grade of Member,

BELKNAP, W. E .- Letter from, Relative to Proper Relations of Local Associations to Society, 458, 465.

FRANKLYN EDWARD. -BELMONT. Elected an Associate Member,

BENNETT, BENJAMIN FRANKLIN. -Elected an Associate Member,

GUERNSEY. -BENNETT, CARROLL Elected an Associate Member,

BERKEFELD, PAUL CUNO.-Elected an Associate Member, 1102.

BERKOWITZ, S. Ross.-Address by, 879.

BERRY, STEPHEN CARTLAND .- Elected an Associate Member, 596.

BESSELIEVRE, E. B .- On New York Meetings Committee, 784.
BESSEY, ROY FREDERIC.—Elected an

Associate Member, 107.

ciate Member, 596.

Bethlehem Steel Company.-Appropriation by, For Work of Special Committee on Stresses in Railroad Track, 235.

BILES, GEORGE HERBERT.—Transferred to Grade of Member, 787.

Member, 1102.

BARZAGHI, ARTHUR JEROME.-Trans- BLACK, DUDLEY FRANK.-Transferred to Grade of Member, 108.

CHARLES BLACKMAN, Elected a Member, 454.

Elected an Associate Member, 348.

BLACKWELL, PAUL A .- Discussion by,

BLAKESLEE, CLARENCE.-On Nominating Committee, 104, 113.

BLECH, EDWARD SORREL.—Transferred to Grade of Member, 1103.

HAROLD BLOEMKER, WILLIAM. Transferred to Grade of Associate Member, 456.

BLOOD, W. H., JR.—Address by, 598. Board of Direction .- Report to, Of Representatives of Society Naval Consulting Board, 3, 236; Report of, 24, 104, 110, 236; Report to, Of Committee on Establishment of Student Branches of the Society, 144, 235; Minutes of Meetings of, 235, 237, 238, 457, 459, 601, 603, 788, 991, 995; Report to, Of Library Committee, 235, 247; Report to, Of Publication Committee, 235; Report to, and Action of, Relative to Appropriation of Bethlehem Steel Company for Work of Special Committee on Stresses in Railroad Track, 235; Report to, Of Committee on Special Committees, 235, 244, 457, 460; Approval by, Of Minutes of Meetings of Executive Committee, 235; Adoption by, Of Annual Report, 236; Approval by, Of Donation of Use of Society House to United States Food Administration, 236; Adoption by, Of Report of Committee Appointed to Recommend the Award of Prizes, 236; Appointment by, Of Representatives of Society at Meeting of National Security League, 236; Action by, Relative to Resolutions of Canadian Society of Civil Engineers Toward Establishment of Closer Relations with Society, 236; Appointment by, Of Representative of Society on United Engineering Society Board, 236, 994; Appointment by, Of Representative of Society on Engineering Foundation, 236, 602; Resignation Accepted, Of Representative of Society on Engineering Council, 236; Report to, Of Appointment of Representative of Society on Engineering Council, 236; Resolution by, Relative to Action of Engineering Council Toward Additional Member Societies, 236; Approval by, Of Constitution of Pittsburgh Association, 237; Appointment by, Of Counsel for Society, 237; Letter to, Relative to Proposed Organization of American Academy of Engineers, 237; Resolution by, Relative to Proposed Organization of American Academy of Engineers, 237; Presentation to, Of Letter of Thanks from Gen. Crozier, 237; Action by, Relative to Report of Tellers Appointed to Canvass Final Suggestions for Nominating Committee, 237; Adoption by, Of 1918 Budget, 238; Appointment of Standing Committees of, 238; Secretary Elected by, 238; Action by, Relative to Abandonment of 1918 Annual Convention, 238; Time of Meetings of, Fixed, 238; Resolution by, Relative to Action of Local Associations on Resolutions of Executive Committee on 1917 War Revenue Act, 457, 461; Resolution by, Relative to Remittance of Dues of Members During Military Service, 457, 460; Adoption by, Of Rules for Admission of Additional Societies in Engineering Council, 458, 473; Action by, Relative to Report of Committee of Southern California Association and Letter from W. E. Belknap, on Proper Relations of

Local Associations to Society, etc., 458, 465; Resolution by, Relative to Invitation from American Association of Engineers to Send Delegates to Annual Meeting, 458; Approval by, Of Action of Executive Committee Relative to Discontinuance of Collations at Meetings During War, 458; Resolutions by, Relative to Conduct of Meetings of the Society and Appointment of New York Meetings Committee, 458, 783; Acceptance by, Of Resignation of George W. Goethals as Member of, 459; Appointment by, Of Edwin J. Fort as Member of, 459; Acceptance by, Of Resignation of Louis C. Hill as Member of Nominating Committee. 459; Appointment by, Of W. K. Barnard as Member of Nominating Committee, 459; Authorization by, Of Appointment of Committee to Report on Plan for Officers of Society to Visit Local Associations, 459; Report to, Of Committee Appointed to Report on Plan for Officers of Society to Visit Local Associations, 601; Acceptance by, Of Resignation of A. J. Himes as Member of Nominating Committee, 602; Appointment by, Of George H. Tinker as Member of Nominating Committee, 602; Report to, Of Secretary, Relative to Lease, Alterations, etc., of Society House, 602, 992; Appointment by, Of Committee to Recommend the Award of Prizes, 602; Report to, Relative to Representation of Society at Public Hearing on Report of Screw Thread Tolerance Committee of American Society of Mechanical Engineers, 602; Action by, Relative to Resolution of Detroit Section of American Society of Mechanical Engineers in Regard to Technical Courses for Women, 602; Appointment by, Of Member of Committee on Engineering of National Research Council, 602; Report to, Relative to Action of Local Associations on Proposed Joint Constitutional Conference, etc., 602; Adoption by, Of Preamble and Providing for Resolutions pointment of Committee on Development of the Society, 603, 604; Action by, Relative to Closing of Reading Room in Evenings During July and August, 603; Action by, Relative to Style for Roll of Honor, 603; Report to. Of Death of Director William R. Hill, 603; Approval by, Of Appropriation to Library Board, 991; Approval by, Of Appropriation to Engineering Council, 991; Resolution by, Relative to Appointment of Committee on Engineering Employment, 991; Action by, Relative to Publication of 1919 Transactions, 991, 996; Adoption by, Of Report of Committee on Special Committees Relative to BOARDMAN, Appointment of Special Committee on Completing Map of the BOMAR, United States, 992; Action by, Relative to Committee to Report on General Policy of Society with Regard to Approval of Standards of All Kinds, 992; Resolution by, Relative to Lease of Society House to Ajax Rubber Company, Inc., 992; Appoint- Booz, Howard Crawford.—Elected an ment by, Of John A. O'Connor as Associate Member, 596. Member of, 993; Action by, Relative to Report of Nominating Committee on List of Nominees, 993; Authorization by, Of Appointment of Tellers to Canvass Borough, EDWIN WALLACE .- Elected Ballot for Officers, 993; Authorization by, Of Appointment of Committee to Canvass Preliminary and Final Suggestions for Members of Nominating Committee, 993; Authorization by, BOUCHER, WILLIAM J.-Appointed Of Appropriation and Mileage for Committee on Development, 993; Appointment by, Of Ulysses B. Hough as Member of Nomi- BOVYER, WILLIAM BLAIR.—Death annating Committee, 993; Accept-Jacobs as Member of Nominating Committee, 993; Report to, Of Secretary Relative to Visits of Officers to Local Associations, 993; BRADBURY, Authorization by, Of Appointment of Committee on Reconstruction,

993; Concurrence in, Of Project of Engineering Foundation for Survey of Engineering Organiza-tions, 994; Re-Election by, Of J. V. Davies as Representative on United Engineering Society, 994; Appointment by, Of Arthur N. Talbot to Represent Society on John Fritz Medal Board of Award, 994; Approval by, Of Societies Appointed as Additional Members of Engineering Council, 994; Authorization by, Of Appointment of Committee of Arrangements for Annual Meeting, 994; Action by, Relative to Annual Address of President, 994; Action by, Relative to Additional Gift from Ambrose Swasy to Engineering Foundation, 995.

HORACE PRENTISS. -Elected a Member, 785.

JOHN EARLE.—Elected Junior, 989.

BOOKWALTER, PARKER STANLEY. — Elected an Associate Member,

RAYMOND.—Transferred Grade of Associate Member,

BORDEN, GEORGE WILLIAM.-Elected an Associate Member, 1102.

Borden, Henry Percy.-Elected a Member, 596.

an Associate Member, 107.

Bosard, Ralph.—Elected an ciate Member, 107.

"Boston Army Supply Base," Addresses on Construction of, 879.

Teller to Canvass Ballot on Proposed Revision of Constitution, 234.

nounced, 785.

ance by, Of Resignation of Joseph Bowie, Augustus Jesse .- Death announced, 1104.

BOWLES, JAMES TEN BROECK. Elected an Associate, 597.

CHARLES EDWARD. Elected an Associate Member, 1102.

BRADFORD

BURTON

BRADFORD, WILLIAM.—Death nounced, 109.

BRANDT, RICHARD LUDWIG.—Elected BURTON. an Associate Member, 107.

Braun, Walter.—Elected an Associate Member, 348.

BRENNAN, EDWARD MICHAEL.—Elected an Associate Member, 454. BRIER. BURGESS BUELL.-Elected an

Associate Member, 988. BRILLHART, J. H .- On Committee on Development, 888.

BRITTON, LLOYD C.—Elected an Associate Member, 348.

BROMLEY, ALBERT HENRY, JR. -Transferred to Grade of Member,

Brook, Alec Edward.—Transferred to Grade of Associate Member, Camp Devens, Ayer, Mass.—Address 456.

CHARLES.—Elected BROSSMANN, Member, 599.

Brown, Baxter L.—On Committee on Development, 888.

Brown, C. F.—Address by, 347. Brown, Charles Otto.-Death an-

nounced, 350. Brown, George Herman.-Elected an

Associate Member, 1102. Brown, LEO FRANCIS.—Elected Junior, 787.

Brown, Paul G .- Discussion by, 1; Address by, 784; On Committee on Development, 888.

BRUNTLETT, EUGENE HARRY .- Trans-

ferred to Grade of Member, 601. BRUSH, W. W.—On Committee of Arrangements for Annual Meeting, 999.

BRUTON, PHILIP GILSTRAP.—Elected a Junior, 787.

BRYSON, ANDREW .- Death announced, 990.

WARREN HENDERSON .-BUCHANAN, Elected an Associate Member,

BUCKWALTER, HARRIS DANIEL. -Death announced, 599. Buel, A. W.-Letter from, Describing

Earthquake in Guatemala, 595. Building Restrictions. - Statement

Relative to Removal of, by War Industries Board, 1126.

BURCH, GEORGE FRANCIS.-Elected a Member, 348.

BURT, EARLE ANDREWS .- Elected a CASE, PAUL DEFORREST .- Elected an Junior, 349.

an- BURTON, ANSEL MORRIS.-Elected an Associate Member, 348.

RICHARD Снеетнам. — Elected an Associate Member, 596.

BUTLER, GEORGE.—On Committee on Development, 888.

BUTTERS, JOHN HENRY .- Elected a Member, 348.

BUTTERWORTH, ARTHUR SACKETT .-Elected a Junior, 787.

BYARS, GEORGE EMMETT.-Elected an Associate Member, 988.

BYBNE, EDWARD ABRAHAM .- Elected a Member, 454.

BYRNE, THOMAS SNEED.-Elected an Associate Member, 785.

on Construction of, 233.

CAMPBELL, CHARLES CECIL.-Transferred to Grade of Associate Member, 350.

CAMPBELL, JAMES ARCHIBALD, JR .-Elected an Associate Member, 599

Canadian Society of Civil Engineers. -Resolutions of, Relative to Establishment of Closer Relations with Society, 143, 236.

CANNEY, JAY CASSIUS.—Death an-

nounced, 109.
CAPESTANY, ROGELIO LILO.—Elected an Associate Member, 596.

CARPENTER, C. E .- Discussion by, 1, 107.

CARPENTER, FREDERICK W.—Elected a Member, 596.

CARPENTER, JOHN SCHRODER.-Elected an Associate Member, 107. CARR. GEORGE WALLIS, JR.—Elected

an Associate Member, 786. CARR, OSSIAN ELMER.—Elected Member, 107.

CARROLL, CHARLES STEWART.—Elected an Associate Member, 1102.

CARTER, CLARENCE REED.—Transferred to Grade of Associate Member, 108.

CARTY, JOHN J.—Presides at Meeting of John Fritz Medal Board of Award, 453, 476.

CASE, J. F .- Appointed Delegate to Joint Engineering Congress, Paris, 1107.

Associate, 989.

CASTLE. SAMUEL NORTHRUP.—Elected CLECKNER, a Member, 454.

Catskill Water Supply.—Celebration Cleveland Association.—Abstract of of Completion of, 6; Members of Minutes of Meetings of, 155, 356, Committee in Charge of Celebration of Completion of, 6.

CAUGHEY, ROBERT ANDREW .- Elected CLEVERDON, FREDERICK ROBERT an Associate Member, 454.

HAZLETON MIRKIL. CHADWICK. Elected an Associate Member, CLINTON, 454

a Junior, 600.

CHAMBERS, HERBERT JAMES .- Death COBURN, CLARENCE ALONZO .- Elected announced, 598.

CHANDLER, ELBERT MILAM .- Trans- COBURN, HOWARD LINCOLN .- Death ferred to Grade of Member, 601.

WILLIAM EUSTACE. -CHANDLER. Elected a Junior, 455.

CHAPMAN, ARTHUR GROVER CLEVE-LAND.—Elected Associate an Member, 107.

CHAPMAN, STANLEY ALBA.-Elected an Associate Member, 596.

CLEMENT E .- Awarded the Collingwood Prize, 104, 111.

"Chemi-Hydrometry and Its Application to the Precise Testing of Generators," Hydro-Electric Awarded the Norman Medal, 104, 111.

CHILD, JOHN TOWNSHEND .- Elected a Junior, 349.

CHILDS, JOHN CHAUNCEY.-Elected an Associate Member, 599.

CHORLTON, WILLIAM HARPER. -Elected a Member, 599.

CHUCK, HONG SUNG.-Elected an Associate Member, 988.

CLAAR, RUFUS SAMUEL.—Elected an COLLINS, Associate Member, 988.

CLARK, ARTHUR EDWARD. - Trans-

CHARLES CLARK. ARMSTRONG. -Elected a Junior, 1103.

CLARK, CHARLES HOMER.—Elected a Member, 454.

as Director, 891.

Elected an Associate Member,

CLARKE, JOHN LYELL.-Elected an Committee, National Service.-Report Associate Member, 599.

CLEARWATER, A. T .- Address by, At Public Presentation of John Fritz Medal, 483.

FREDERICK MARTIN. Elected a Junior, 108.

623; Approves Plan for Visits to Local Associations, 993.

WHEELER.—Elected a Member, 596.

DELMAR SMITH .- Transferred to Grade of Member, 787.

CHADWICK, MAURICE FOSTER.—Elected CLOW, GEORGE VALENTINE.—Elected an Associate Member, 348.

an Associate Member, 454.

announced, 784.

COHILL, A. A.—Address by, 879. COLEMAN. CLARENCE. - Death nounced, 990.

COLEMAN, JOHN F.—Elected a Vice-President, 106, 129; On Committee on Publications, 238.

COLHOUN, DANIEL WARWICK.-Elected an Associate Member, 786.

Collations.—Action of Executive Committee of Board of Direction Relative to Discontinuance of, During War, 351; Approval by Board of Direction of Action of Executive Committee Relative to Discontinuance of, During War, 458.

COLLIER, NELSON MARTIN.—Elected an Associate Member, 454.

Collingwood Prize.-Award of, 104, 111.

COLLINS. GLENNVILLE ARTHUR. -Elected an Associate Member,

MERTON CLYDE.—Transferred to Grade of Associate Member, 601.

ferred to Grade of Member, 787. COLLYER, NORMAN.-Elected a Member, 1101.

Colorado Association.—Abstract of Minutes of Meetings of, 16, 252, 621, 622, 792, 894, 1135.

CLARK, GEORGE HALLETT.-Nominated COMBER, STAFFORD XAVIER.-Transferred to Grade of Member, 597.

CLARKE, HERBERT CHARLES OLIVER.— Committee in Charge of Catskill Celebration. Water Supply Members of, 6.

> of Philip N. Moore to Engineering Council Relative to, 1106, 1109; Action by, and Resolutions of, Engineering Council Relative to

Appointment of, 1106; Resolutions of Executive Committee of Board of Direction Endorsing Action of Engineering Council Relative to Appointment of, 1106; Telegram from Committee on Development Relative to Appointment of, 1106.

Committee, New York Meetings.— Resolutions of Board of Direction Relative to Appointment of, 458, 784; Appointment of, 784; Change in Personnel of, 1124.

Committee of Arrangements for Annual Meeting. — Appointment of, 994, 999.

Committee of Board of Direction to Canvass Preliminary and Final Suggestions for Members of Nominating Committee. — Appointment Authorized, 993.

Committee of Board of Direction to Report on General Policy of the Society with Regard to Approval of Standards of All Kinds.—Report of, 992; Discharge of, 992.

Committee of Engineering Council
Appointed to Recommend Candidate for Permanent Secretary.—
Report of, 7.

Committee of Engineering Council on Rules for Admission of Additional Societies.—Report of, 7, 458, 473.

Committee of National Research
Council on Engineering.—Appointment of Member of, 602.

Committee on Completing Map of the United States.—Report of Committee on Special Committees to Board of Direction Relative to Appointment of, 992.

Committee on Development of the American Society of Civil Engineers.—Preamble and Resolutions of Board of Direction Relative to Appointment of, 603, 604; Precept Prepared by President Arthur N. Talbot, for Guidance of, 881; Appointment of, 888; Appropriation and Mileage for, Authorized, 993; Telegram from, To Executive Committee Relative to Appointment of National Service Committee, 1106; Preliminary Report of, 1117; Sub-Committees of, 1120; Report of Seattle Association on Work of, 1127.

Committee on Engineering Education.—Progress Report of, 104, 113; Report of Committee on Special Committees on Work of, 245.

Committee on Engineering Employment.—Resolution of Board of Direction Relative to Appointment of, 991.

Committee on Establishment of Student Branches of the Society. —Report of, 144, 235.

Committee on Finance.—Appointment of, 238.

Committee on Library.—Report of, 235, 247; Appointment of, 238.

Committee on Materials for Road Construction.—Final Report of, 105, 118; Discharge of, 105, 119; Report of Committee on Special Committees on Work of, 245.

Committee on Nominations.-Report of Tellers Appointed to Canvass Final Suggestions for, 104, 111, 237; Resignation of Louis C. Hill as Member of, 459; Appointment of W. K. Barnard as Member of, 459; Resignation of A. J. Himes as Member of, 602; Appointment of George H. Tinker as Member of, 602; Presents List of Nominees, 891, 993; Appointment of Committee of Board of Direction to Canvass Preliminary and Final Suggestions of, Authorized, 993; Appointment of Ulysses B. Hough as Member of, 993; Resignation of Joseph Jacobs as Member of, 993.

Committee on Publications.—Progress Report of, 235; Appointment of, 238; Decision of, Relative to Discontinuance of Publication of Technical Papers and Discussions in Proceedings, 996.

Committee on Reconstruction.—Resolution Relative to Appointment of, 784; Appointment Authorized, 993; Report of, 1107, 1112; Members of, 1112.

Committee on Regulation of Water Rights.—Progress Report of, 105, 123; Report of Committee on Special Committees on Work of, 246. Committee on Special Committees .-Report of, 235, 244, 457, 460; Appointment of, 238; Report of, To Board of Direction Relative CONNOR, EDWARD COWEN .- Elected an to Appointment of Special Com-United States, 992.

Struts.-Final Report of, 119; Discharge of, 105, 122; Discussion on Final Report of, 105, 122; Report of Committee on Special Committees on Work

of; 245.

Committee to Codify Present Practice on the Bearing Value of Soils for Foundations, etc.-Progress Report of, 104, 117; Report of Committee on Special Committees on Work of, 246.

Committee to Confer with United Engineering Society to Develop Plan for Financing for Additional Member Societies .- Ap-

pointment of, 237.

Committee to Recommend the Award of Prizes.—Report of, 104, 110; Report of, Adopted by Board of Direction, 236; Appointment of,

Committee to Report on Plan for Officers of Society to Visit Local Cox, Associations.-Appointment Authorized, 459; Report of, 601.

Committee to Report on Stresses in Railroad Railroad Track.—Progress Report of, 104, 118; Appropriation by Bethlehem Steel Company for Work of, 235; Report of Committee on Special Committees on Work of, 246; Minutes of Meetings of, 362.

Committees, Special. - Report of Committee on, 235, 244, 457, 460; Appointment of Committee on, 238; Minutes of Meetings of, CREHORE, 362; Report of Committee on, To Board of Direction Relative to CRENSHAW, BERNARD LEE.-Elected Appointment of Special Committee on Completing Map of the CROCKER, HERBERT SAMUEL.-Nomi-United States, 992.

CONE, WILLIAM SMITH.—Elected a Croes Medal.—Award of, 104, 111.

CRONEMEYER, JOHN WILLIAM FRED-

CONGER, ALGER ADAMS .- Transferred to Grade of Member, 350.

CONNOLLY, DONALD HILARY.—Transferred to Grade of Associate Member, 989.

Associate Member, 348.

mittee on Completing Map of the CONSTABLE, HOWARD .- Discussion by,

Committee on Steel Columns and Constitution .- Resolutions Presented by Nelson P. Lewis Relative to Proposed Revision of, 105, 126; Appointment of Tellers to Canvass Ballots on Proposed Revision of, 234; Report of Tellers Appointed to Canvass Ballots on Proposed Revision of, 234.

"Construction Methods Used in Building the Lower Reservoir Dam of Balmorhea Project," sented and discussed, 595.

"Construction Problems of the Manhattan-Bronx, and Lexington Avenue Subway Junction and Queensborough Tunnel Connections," presented and discussed. 1.

COTTRELL, CLARKE COPELAND. -Elected an Associate Member,

COURTNEY, MAURICE ALDEN.-Elected an Associate Member, 596. COWEN, KARL DANIEL.-Elected a

Member, 596.

BURGIS GREENACRE. - Transferred to Grade of Member, 1103. CRADDOCK, FRANKLIN HARTER. .

Elected a Junior, 787. CRANCH. EUGENE THOMPSON. -

Elected a Junior, 1103. CRAVEN, AARON SANFORD.-Elected an Associate Member, 348.

CRAVEN, JOHN THOMAS.—Elected an Associate Member, 599.

CRAWFORD, IVAN CHARLES.—Transferred to Grade of Associate Member, 108.

CREAGER, WILLIAM P. - Presents Paper, 598.

WILLIAM WILLIAMS. -Death announced, 880.

an Associate Member, 596.

nated as Vice-President, 891.

ERICK.—Elected an Associate Member, 786.

CROSSON, WILLIAM HENRY .- Elected DAVIES, JOHN VIPOND .- Awarded the an Associate Member, 786.

CROWELL, F. S .- On Committee of Arrangements for Annual Meeting, 999.

CROZIER, WILLIAM.—Letter of Thanks from, For Supplying Draftsmen for Ordnance Department, 237.

CULYER, THURSTON C .- Appointed Officers, 103, 110.

CUMMINGS, ROBERT A .- Presents Progress Report of Special Committee to Codify Present Practice on DAVIS, JAMES LYFORD.—Transferred the Bearing Value of Soils for Foundations, etc., 104, 117; On Davis, Committee on Development, 888.

CUNLIFF, CHARLES, JR.—Elected a Junior, 787.

CURRAN, THOMAS announced, 109.

Current Engineering Literature, 86, 213, 321, 434, 579, 741, 855, 966, 1084, 1213.

CURRIE, CLARE HARMON.—Transferred to Grade of Member, 989.

CURTIS. FAYETTE SAMUEL.-Nominated as President, 891.

Dallas, Tex., Chamber of Commerce. -Appoints Engineer to Organize Municipal Bureau, 1126.

DALY, JOHN WILLIAM.-Elected an Associate Member, 596.

DANIELS, THOMAS REMINGTON HOL-DEN.-Transferred to Grade of Member, 601.

DANZILLI, ALFRED MICHAEL.-Transferred to Grade of Associate Member, 598.

DARLING, CLINTON STOWELL.-Elected a Junior, 108.

DARLING, JOHN H .- On Nominating Committee, 104, 113.

DARLING, W. L .- On Committee on Development, 888.

DARROW, FRANK T .- On Committee on Development, 888.

DAVENPORT, JAMES AUBREY.-Death announced, 456.

DAVID, THOMAS HENDRICKS.—Elected a Member, 599.

DAVIES, HERBERT ARTHUR.—Transferred to Grade of Associate Member, 456.

Thomas Fitch Rowland Prize, 104, 111; On Committee to Confer with United Engineering Society to Develop Plan for Financing Additional Member Societies, 237; Elected as Representative of Society on United Engineering Society, 994.

Teller to Canvass Ballot for Davis, Charles Eldridge.-Elected an Associate Member, 454.

DAVIS, CHARLES Moss .- Transferred to Grade of Member, 601.

to Grade of Member, 350. JOHN WOLFERSPERGER. -

Elected a Member, 987. DAVIS, MEYER.—Transferred to Grade

of Member, 597. Francis.—Death Davis, Norman Engle.—Elected an

Associate Member, 786. DAVIS, ROLAND PARKER.—Transferred

to Grade of Member, 1103. DAYBILL, ALFRED.—Elected an Associate, 786.

DEAN, STANLEY .- Death announced, 1105.

DECKER. JOHN HULL.-Death announced, 990.

DEDICKE, ERNEST CHARLES .- Death announced, 1105.

DEETS, EDWARD HENDERSON .- Elected an Associate Member, 988. DEJONGH, JUAN ISIDORE.—Elected an

Associate Member, 786. LARA, FRANK B.—Letter from, Relative to Engineering Congress

in Java. 610. DEMMERT, HOWARD HENRY .- Elected an Associate Member, 1102.

DESMOND, T. C .- On Committee of Arrangements for Annual Meeting, 999.

"Determination of the Duty of Water by Analytical Experiment," presented and discussed, 347.

Detroit Section of American Society of Mechanical Engineers.—Action by Board of Direction Relative to Resolution of, In Regard to Technical Courses for Women, 602.

Development of American Society of Civil Engineers, Committee on .-Preamble and Resolutions of Board of Direction on Appoint-

DE VOU

ment of, 603, 604; Precept Prepared by President Arthur N. Talbot for Guidance of, 881; Ap- Duluth pointment of, 888; Appropriation and Mileage for, Authorized, 993; Telegram from, To Executive Committee Relative to Appointment of National Service Committee, 1106; Preliminary Report DURYEA, ROBERT FRANCIS.—Elected 1117; Sub-Committees of, 1120.

DE VOU, JAMES LAIRD .- Transferred to Grade of Member, 350.

108.

Associate Member, 599.

DIFFENDERFER, CLAUDE ORVILLE. -Elected an Associate Member, 599.

Director General of Railroads.-Letter to, From Engineering Council Relative to Classification and Compensation of Technical Engineers in Railroad Employ, 1125.

District of Columbia Association .-Abstract of Minutes of Meetings of, 156.

DODD, JOSEPH HOLMES LEE.-Elected an Associate Member, 596.

DODGE, CLYDE RAYMOND.—Elected an Associate Member, 348.

Dodge, Russell Alger.-Elected a Junior, 787.

DOMINGUEZ, RALPH.—Elected a Member, 107.

Douglass, Louis Rea.-Elected an Associate Member, 599.

Dow, Peter Staub.—Elected an Associate Member, 599.

Draftsmen for Ordnance Department. -Letter of Thanks to Secretary for Supplying, 237.

DREYFUS, SAMUEL CELLNER.—Transferred to Grade of Associate Member, 108.

WALTER RHODES .- Transferred to Grade of Associate Member, 989.

Duck, Allen Douglas.—Transferred to Grade of Member, 989.

Dues, Remittance of.—Resolution of Board of Direction Relative to. Of Members During Military Service, 457, 460.

Association.—Abstract of Minutes of Meetings of, 18, 156, 253, 358, 498, 626, 627, 895, 1136;

DULUTH

Approves Plan for Visits to Local Associations, 993.

Engineers' Club.-"Get-Together" Dinner for Organization of, 607.

Dunn, Gano.-Address by, 8.

DURYEA, EDWIN .- On Committee on Special Committees, 238.

an Associate Member, 599.

Dutch East Indies .- Description of, 611.

DIAZ, ENRIQUE.—Elected a Junior, EAGER, VERNON MILTON. -- Transferred to Grade of Member, 787.

DIERKS, LOUIS ELMER.-Elected an EAGLE, RAYMOND ROWE.-Elected an Associate Member, 786.

EUGENE COURTLANDT. -EATON, Elected an Associate Member, 599.

EATON, HERBERT NELSON.—Elected a Junior, 349.

EBELING, FREDERICK WILLIAM CARL. -Elected a Junior, 455.

ECKERSLEY, J. O .- On New York Meetings Committee, 784.

EDEN, ALFRED WILLIAM ALEXANDER. -Elected an Associate Member,

EDGAR, WILLIAM CLANEY .- Elected an Associate Member, 107.

EDGECOMB, REX EDWARD. - Transferred to Grade of Associate Member, 598.

EDMONSTON, ARTHUR DONALD. -Elected an Associate Member, 786. EDWARDS, GLENN PERKINS.—Elected

an Associate Member, 107. EIFFERT, CURT HENRY.-Elected an Associate Member, 454.

"Eleventh Engineers in France," Address on, 987.

ELIOT, WILLIAM MACK.—Transferred to Grade of Associate Member, 350.

ELLIOTT, PERCIVAL.—Elected a Junior, 108. ELLIS, THOMAS PENGELLY.—Elected

an Associate Member, 596. ELLISON, WILLIAM HENRY.-Elected

an Associate Member, 1102. ELTING, OSCAR ROELIF.—Elected an Associate Member, 599.

ELWELL, CHARLES CLEMENT .- Nominated as Director, 891.

EMBURY, AYMAR, 2D .- Transferred to Grade of Member, 787.

"Emergency Construction Work Due to War Conditions." Address on. 351.

EMERSON, FRANK COLLINS .- Elected a Member, 596.

EMIGH, WILLIAM CHESTER.-Elected an Associate Member, 988.

ENDERLEIN, MAX WILLIAM.—Elected a Member, 987.

Engineer Regiments.-Men Wanted for, 352, 605,

Engineer Reserve Corps. See United States War Department.

Engineering, Committee on, Of National Research Council.—Appointment of Member of, 602.

Engineering Congress, Java, 1919 .-Letter Relative to, 610; Statement Relative to, 1131.

Engineering Congress, see also Joint Engineering Congress.

Engineering Council. - Minutes of Meeting of, 7; Acceptance by, Of Resignation of Secretary Calvert Townley, 7; Report to, Of Committee Appointed to Recommend Candidate for Permanent Secretary of, 7; Election of Permanent Secretary of, 7; Adoption by, Of Report of Committee on Rules for Admission of Additional Engineering and Technical Societies, 7, 458; 473; Resolution of, Relative to Drafting of Engineering Students for War Service, 8; Statement by Calvert Townley to United States Chamber of Commerce, in Behalf of, Relative to Hydro-Electric of, 991. Development, 145; Statement of Engineering American Engineering Service Committee Relative to Engineers in Government Service, 151; Resignation Accepted of Representative of Society on, 236; Appointment of Representative of Society on, 236; Resolution of Board of Direction Relative to Action of, Toward Additional Member Societies, 236; Defini- Engineering Organizations.—Resolu-tion of, Adopted, 239; General tions of Engineering Foundation Statement as to Past and Proposed Activities of, 239; Com-Commission, Relative to Compensation of Professional Engineers and Engineering Assistants on Railroads, 243; Rules for Admission of Additional Societies to

Membership in, Approved, 458, 473; Activities of, 469; Action of, Reference to Industrial Efficiency, 471; Appropriation to, Approved, 991; Approval by Board of Direction of Appointment of Societies as Additional Members of, 994; Report to, From Philip N. Moore on Representation of Engineers at National Capital, 1106, 1109; Action by, and Resolutions of, Relative to Appointment of National Service Committee, 1106; Resolution of Executive Committee Endorsing Action by, Relative to Appointment of National Service Committee, 1106; Letter to, and Reply From. President Wilson Relative to Engineering Representation on Proposed Reconstruction Commission, 1115; Letter to Director General of Railroads Relative to Classification and Compensation of Technical Engineers in Railroad Employ, 1125.

Engineering Education, Report of Dr. C. R. Mann on.—Statement Relative to, 1132.

Engineering Education, Special Committee on .- Progress Report of, 104, 113; Report of Committee on Special Committees on Work of, 245.

Engineering Employment, Committee on.-Resolution of Board of Direction Relative to Appointment

Foundation. - Appointment of Representative of Society. on, 236, 602; Resolutions of, Relative to Project for Survey of Engineering Organizations, 994; Action of Board of Direction Relative to Second Gift from Ambrose Swasy to, 995; Statement Relative to Second Gift from Ambrose Swasy to, 996.

Relative to Project for Survey of, 994.

munication to Railroad Wage Engineering Societies Employment Bureau.—Established, 1124.

Engineering Societies Library .cessions to the, 40, 163, 260, 365, 506, 638, 799, 901, 1009, 1144: Gifts Received by, 606.

ENGINEERING

kersi-

Engineering Societies of San Francisco, Joint Council of the .-Minutes of Meeting of, 889.

Engineering Students.—Resolution of Engineering Council Relative to Drafting of, For War Service, 8.

Engineers, American Academy of .-Letters Relative to Proposed Organization of, 237; Resolution of Board of Direction Relative to Organization of, 237.

Engineers at National Capital, Tentative Plan for Representation of .-Report of Philip N. Moore to Engineering Council on, 1109.

Engineers in Government Service .-Statement of American Engineering Service Committee Relative to, 151.

Engineers on Proposed Reconstruction Commission.—Letter to, and Reply from, President Wilson to Engineering Council Relative to,

Engineers, Professional, and Engineering Assistants on Railroads .-Council to Railroad Wage Commission Relative to Compensation of, 243; Letter from Engineering Council to Director General of Railroads Relative to Classification and Compensation of, 1125.

ENGLISH, HENRY WILLIAM .- Transferred to Grade of Associate Member, 598.

ESTERLY, WARD BENJAMIN.-Elected an Associate Member, 599.

ESTES, LEWIS ALDEN.-Transferred to Grade of Associate Member, 108.

EVERETT, RALPH BURROWS .- Transferred to Grade of Associate Member, 456.

EWIN, JAMES PERKINS .- Elected a Junior, 455.

Executive Committee of Board of of Meeting of, 235; Adoption of Annual Report Prepared by, 236; FITZGERALD DESMOND. Approval of Action of, Relative to Loan of Society House to United States Food Administration, 236; Approval by, Of Statement Relative to Past and Proposed Activities of Engineering

FARNHAM

Council, 239: Action of, Relative to Discontinuance of Collations at Meetings During War, 351; Resolution of Board of Direction Relative to Action of Local Associations on Resolutions of, On 1917 War Revenue Act, 457, 461; Approval by Board of Direction of Action of, Relative to Discontinuance of Collations at Meetings During War, 458; Minutes of Special Meeting of, 1106; Action by, Relative to Reconstruc-Work, 1106: Resolution by, Endorsing Action of Engineering Council Relative to Appointment of National Service Committee, 1106; Telegram to, From Committee on Development Relative to Appointment of National Service Committee, 1106; Report to, From Committee on Reconstruction, 1107; Action by, Relative to Report of Committee on Reconstruction, 1107.

Communication by Engineering FARNHAM, ROBERT.—On Nominating Committee, 104, 113.

FARRIN, JAMES MOORE.—Transferred to Grade of Member, 787.

FARWELL, ROLAND PARKER. - Transferred to Grade of Member, 1103. FAY, FREDERIC H .- On Finance Com-

mittee, 238; Presides at Meeting, 879. FIELD, ARTHUR MAXWELL. - Elected

an Associate Member, 596. FIELD, WILLIAM THAYER.—Elected a Junior, 989.

Finance Committee. - Appointment of, 238.

FISHER, GEORGE JOSEPH.—Transferred to Grade of Associate Member,

FISHER, LAWRENCE MACHEMER. Elected an Associate Member,

Direction .- Approval of Minutes FISHER, WARD HERBERT .- Elected an Associate Member, 348.

> Presents Progress Report of Special Committee on Engineering Education, 104, 113.

FITZGERALD, GERALD CHAPMAN. Transferred to Grade of Associate Member, 601.

FITZMAURICE

FITZMAURICE, EDMUND JOSEPH. Elected an Associate Member,

FITZPATRICK, MARK WILLIAM. Elected an Associate Member, 596. Furlow, Felder. - Transferred to

FLINN, A. D .- Address by, 7; Elected Secretary of Engineering Coun-

FLOOK, LYMAN RUSSELL. - Transferred to Grade of Associate Member, 350.

FORSTER, ARTHUR OSCAR.—Elected an Associate Member, 348.

FORT, EDWIN J .- Elected a Director,

FOUGNER, NICOLAY KNUDTZON. Transferred to Grade of Member. 1103.

Founder Societies .- Welcome of So- GARDINER, FREDERICK W., and S. ciety into Fraternity of, 8.

an Associate Member, 988.

FOWLER, C. E.—Discussion by, 2, 454; Appointed Teller to Canvass Ballot on Proposed Revision Constitution, 234.
FOWLER, JOHN CLAIR.—Elected an

Associate Member, 596.

FRANKLAND, FREDERICK HERSTON. -Transferred to Grade of Member, 350.

Franklin, Philip Augustus. — Transferred to Grade of Associate Member, 598.

FRANKLIN, WILLIAM HAWLEY. ciate Member, 989.

Associate Member, 599.

ings Committee, 784.

French Society of Civil Engineers. See France.

FRISSELL. Elected an Associate Member,

FRY, ALBERT STEVENS .- Elected an Associate Member, 599.

FULLER, FRANK LYMAN.-Elected a Junior, 600.

351: Resolution of Thanks Ex-

FULTON

gate to Joint Engineering Congress, Paris, 1107.

FULTON, CLIFFORD ROBERT.-Elected an Associate Member, 786.

Grade of Member, 1103.

cil, 7; Presides at Meeting, 234; GALLOWAY, J. D.—Resignation Ac-On Library Committee, 238. cepted, As Representative of Society on Engineering Council, 236.

> GALLUP, RALPH FORNEY .- Elected an Associate Member, 988.

> GANTT, JAMES JERVEY .- Elected an

Associate Member, 1102.
GARDINER, FREDERICK W.—Appointed
Teller to Canvass Ballot for Officers, 103, 110; Discussion by, 107.

JOHANNESSON.—Paper by, 106. FOUNTAIN, JOHN BERCHMAN .- Elected GARDINER, J. DE B. W .- Lecture by,

783; On Committee of Arrangements for Annual Meeting, 999. GAREN, GEORGE MASON,-Elected an

Associate Member, 454. GARLINGHOUSE, RALPH LEMAN. — Elected an Associate Member, 599.

GAUGER, PAUL CHARLES.-Elected an Associate Member, 455.

GAULT, JOSÉ ANTONIO GÓMEZ. -Elected an Associate Member, 786.

GAY, CHARLES WEBSTER .- Death announced, 234.

Transferred to Grade of Asso- GAY, GEORGE INNESS .- Transferred to Grade of Associate Member, 109.

FRANZEN, JOHN LAVERN.-Elected an GEIB, GEORGE ALBERT.-Elected an Associate Member, 596.

FRENCH, J. B .- On New York Meet- GEIGER, ALBERT FRANCIS.-Elected an Associate Member, 348; Death announced, 1105.

Société des Ingenieurs Civils de GERIG, FRANCIS AUSTIN.-Elected a Junior, 787.

LAURENCE EMERSON. - GERNER, ANSON JOHN.-Elected an Associate Member, 596.

GIBSON, THOMAS FENNER.—Elected an Associate Member, 596.

GILLEAN, CHARLES HENRY HOWARD .-Elected an Associate Member, 988.

FULLER, GEORGE W .- Address by, GILMAN, CHARLES .- On New York Meetings Committee, 784.

tended to, For Address Before GLENN, RUSSELL VERSTILLE.—Transthe Society, 351; Appointed Dele- ferred to Grade of Member, 787.

GODFREY

ALEXANDER

Elected a Junior, 349. of Member, 1103. GOEDECKE, WILLIAM.—Elected a Mem- GUSTAFSON, EMIL 1 ber, 785.

GOETHALS, GEORGE W .- Elected a Director, 106, 129; Resignation Ac- HABERMEYER, cepted As Director, 459. Goggin, V. T.—Address by, 233.

GOLDSTINE, EDGAR NATHAN.-Elected

a Junior, 600. GOOCH, CARL JOSEPH.—Elected an As-

sociate Member, 348. GOODFELLOW, JAMES GORDON.-Death HAGAR, EDWARD MCKIM.-Death an-

announced, 599. GOODWIN, RALPH EDWARD.—Transferred to Grade of Associate EDWARD.-Trans-

Member, 456.

a Junior, 600.

GRADY, PAUL LEO .- Elected an Associate Member, 455.

GRASSMAN, HERBERT STUYYESANT .-Elected a Junior, 989. SAMUEL ARNOLD.—Trans-

ferred to Grade of Member, 455. GREEN, HOWARD RUGGLES .- Elected an Associate Member, 1102.

GREEN, HOWARD WHIPPLE.—Elected a Junior, 600.

GREEN, NATHANIEL WARREN.-Transferred to Grade of Associate

Member, 787. Development, 888. Gregory, Charles Emerson.—Trans- Hansen, Carl Valdemar.—Elected ferred to Grade of Member, 601. IRVIN .-- Trans-

ferred to Grade of Associate Member, 350.

GRIER, ALEXANDER MONRO.—Elected an Associate Member, 455.

GRIEST, MAURICE.—Elected a Member,

GRIFFIN, G. A.—Appointed Teller to Canvass Ballot on Proposed Revision of Constitution, 234.

GRISWOLD, HAROLD WILEY.—Trans- Meeting, 999. ferred to Grade of Associate HAROW, JAMES Member, .598.

GROAT, BENJAMIN F .- Paper by, 2; HARRINGTON, JOHN ALLAN .- Elected Discussion by, 2; Awarded the Norman Medal, 104, 111.

GRUNSKY, CARL EWALD.—Nominated as Director, 891.

Guatemala, Earthquake in.-Letters 595.

GUISE

Hollis. — Guise, Philip.—Transferred to Grade

NILES. - Elected an Associate Member, 348.

GEORGE CONRAD. -Elected a Member, 454.

HADLEY, ALLEN STACY.-Elected an Associate Member, 599.

HAEHL, HARRY LEWIS.—Transferred to Grade of Member, 601; On Committee on Development, 888.

nounced, 457.

HAGUE, WILLIAM.—Death announced, 109.

HALL, JOHN L .- On Committee on Gow, Charles R.—Address by, 879. Development, 888, Grady, Frank La Salle.—Elected Hall, Leslie Standish.—Elected a

Junior, 597.

HALL, ROY FRANK.-Elected an Associate Member, 786.

HALLOCK, JAMES CURRIE, -Death an-

nounced, 1104.
HAMMATT, W. C.—Paper by, 347.
HAMMER, EDMOND WALTER.—Elected an Associate Member, 1102

HAMMOND, HARRY PARKER.-Elected an Associate Member, 107. HANCOCK, JOHN SEALE.-Elected a

Junior, 349. HANSEL, CHARLES .- On Committee on

an Associate Member, 1102.

HARDECKER, JOHN FRANCIS.—Elected a Junior, 787.

HARDER, ERNEST HENRY.-Elected an Associate Member, 596.

HARDMAN, ROY CORDIS.—Transferred to Grade of Member, 597.

HARING, ALEXANDER. — Appointed Teller to Canvass Ballot for Officers, 103; 110; On Committee of Arrangements for

HAYWARD.—Death announced, 990.

an Associate Member, 786.

HART, BERT MARCELLUS .- Elected an

Associate Member, 348. HARTGERING, JOHN MCRAE.—Elected an Associate Member, 107.

and Addresses Descriptive of, HARVEY, JAMES CAROTHERS.—Elected an Associate Member, 786.

HASKELL

an Associate, 1103. HASWELL, JOHN ROBERT. - Trans-

ferred to Grade of Associate Member, 109.

HATTON, HERBERT WATSON .- Transferred to Grade of Member, 989.

HAWGOOD, HARRY.-Elected a Director, 106, 129.

Lockwood. -HAWKINS, GEORGE Elected an Associate Member,

HAWLEY, CHARLES BURRIDGE.-Trans- HIMES, A. J.-Resignation of, As ferred to Grade of Member, 1104.

HAWLEY, GEORGE WILLIAM .- Trans-Member, 598.

Member, 599.

ciate Member, 596.

at Public Hearing on Report of Screw Thread Tolerance Commitchanical Engineers, 602.

HAZEN, RALPH WILLIAM. - Transferred to Grade of Associate WILLIAM. - Trans-Member, 598.

HEALD, JAMES HUGHES .- Elected a "Hog Island, the Greatest Shipyard

Member, 596. an Associate Member, 596.

HEMPEL, ROY EDWARD.—Elected an HOLLAND, CLIFFORD M.—On New Associate Member, 1102. York Meetings Committee, 784;

HENDERSON, CHARLES ELLIOTT. -Elected a Member, 987.

HENDERSON, VOLNEY HOWARD. Elected an Associate Member, 1102.

HENDRICKSON, JOHN NORCOM. Elected an Associate Member, 455.

HERBERT, JOHN RAY.—Elected an Associate Member, 1102.
HERMESSEN, JOHN LOUIS.—Elected

an Associate Member, 1102.

HERRICK, HENRY AUGUSTUS .- Death announced, 2.

HERROLD, GEORGE HERBERT.-Elected HOOVER, a Member, 1101.

HERSCHEL, CLEMENS .- Discussion by, 234; Appointed to Represent Society Board, 236.

ferred to Grade of Member, 108.

HIGGINS

HASKELL, WILLIAM COOK.-Elected HIGGINS, THOMAS CAROL.-Transferred to Grade of Associate Member, 601.

HILL, GEORGE HAMMEKEN.-Elected a Member, 988. L. Louis C.—Resignation of, As

HILL, Member of Nominating Committee, 459.

HILL, PHILIP BROCKETT.—Transferred to Grade of Member, 787.

HILL WILLIAM RYAN.—Death announced, 603, 784.

Member of Nominating Committee, 602.

ferred to Grade of Associate HINRICHS, ADOLF.-Elected an Associate Member, 599.

HAYES, JOHN EDWARD.-Elected a HIRN, WILLIAM CULLEN.-Elected an Associate Member, 1102.

HAYES, REUBEN.-Elected an Asso- HIRSCH, HERMAN DAVID.-Elected an Associate Member, 600.

HAYWARD, H. W .- Represents Society HOAD, W. C .- On Committee Recommend the Award of Prizes, 602.

tee of American Society of Me- Hobson, Joseph.-Death announced,

HOERNER, CHARLES GOTTLOB, JR .-Elected an Associate Member,

in the World," Address on, 598.

HEDRICK, WYATT CEPHAS.-Elected HOHL, ALBERT KELLER.-Elected an Associate Member, 455.

On Committee on Development, 888; Resignation Accepted, As Member of New York Meetings Committee, 1124.

HOLLEY, HAROLD FISKE.-Transferred to Grade of Associate Member, 787.

HOLLIS, IRA N .- Address by, 8. HOLLMAN, JOHN GEORGE.—Elected an

Associate Member, 786. HOLMES, THOMAS HUGHES .- Transferred to Grade of Associate Member, 456.

WER, HERBERT. — Correspondence with, Relative to Donation of Use of Society House to United States Food Administration, 9.

ciety on United Engineering So- HOPKINS, CECIL BLAINE.-Elected an Associate Member, 348.

CLIFTON EWING.—Trans- HORNE, RALPH WARREN.—Elected an Associate Member, 786.

an Associate Member, 348.

to Grade of Member, 1104.

Associate Member, 455.

Hough, Ulysses B .- Appointment of, As Member of Nominating Committee, 993.

Hovey, O. E .- Presides at Meeting, 990.

HOWARD, MARSHALL.-Elected an Associate Member, 107.

HOWARD, OLIVER ZELL.—Death announced, 350.

HOWARD, WILLIAM JAMES.—Elected an Associate Member, 596.

HOWELL, ERIC VAIL.-Elected a Ju- HURD, H. L.-Appointed Teller to nior, 600.

HOYT, HARLAND MARION.-Elected an Associate Member, 596.

HOYT, SIDNEY MERRILL.-Elected an Associate Member, 786.

HOYT, WILLIAM H .- On Committee on Development, 888.

HUBER, ALBERT, JR.-Elected an Associate Member, 600.

HUGGINS. WILLIAM. - Death announced, 456.

HUGHES, GEORGE ALFRED.—Elected an Associate Member, 597.

HULBERT, EVERSON CLIFTON.—Elected a Member, 348.

HULSART, C. RAYMOND.—Address by, 987.

Associate Member, 107.

HUMPHREY, GILBERT EDWIN,-Elected a Member, 348.

HUMPHREY, RICHARD L .- On Committee on Development, 888.

nance Committee, 238; Presides at Meeting, 880; Address by, HYMAN, HENRY H.—Elected an Asso-Relative to Work of Engineering ciate Member, 455. Colleges of the United States, Particularly in Connection with the Students' Army Training Corps, 880.

HUNT, ANDREW M.-Elected a Direc- ILLINGWORTH, GEORGE tor, 106, 129; On Committee on 238; Publications, 238; Appointed ciate Member, 989.

Delegate to Joint Engineering Illinois Association.—Approves Plan Congress, Paris, 1107; On Committee on Reconstruction, 1112.

HORRIGAN, WILLIAM JAMES.—Elected HUNT, ARON LANCASTER.—Elected a Member, 1102.

HORTENSTINE, RALEIGH.—Transferred Hunt, Charles Adams.—Transferred to Grade of Member, 597.

HORTON, PHILIP ZELL.-Elected an HUNT, CHARLES WARREN .- On Committee in Charge of Catskill Water Supply Celebration, 6; Address by, 9; On Committee to Confer with United Engineering Society to Develop Plan for Financing for Additional Member Societies, 237; On Library Committee, 238; Elected Secretary, 238; On Committee of Arrangements for Annual Meeting, 999; On Committee on Reconstruction, 1112.

Canvass Ballot on Proposed Revision of Constitution, 234.

HURLEY, JOHN JAMES.—Elected Junior, 455.

HUSSELMAN, Roy.-Elected an Associate Member, 600.

HUTCHINS, ROLAND ELLIS .- Transferred to Grade of Associate Member, 109.

HUTCHINSON, CHAMPION. -ELY Elected a Member, 1102.

HUTCHINSON, FRANK DAVID.—Elected a Member, 1102.

HUTTENLOCH, MORTON WALKER. -Elected an Associate Member, 455.

HUMAN, THEODORE, JR.-Elected an Hydro-Electric Development.-Statement Submitted by Calvert Townley to United States Chamber of Commerce, in Behalf of Engineering Council, Relative to, 145.

HUMPHREYS, ALEXANDER C .- On Fi- HYMAN, HARRY ABE .- Elected an Associate Member, 786.

"Ice Diversion, Hydraulic Models, and Hydraulic Similarity," presented and discussed, 2.

Corliss. -Transferred to Grade of Associate Member, 989.

for Visits to Local Associations, 993.

1MPROVING

"Improving Arch Action in Arch Johnson, Frank Melvin S .- Trans-Dams, presented and discussed, 598.

Industrial Efficiency.—Action of Engi- Johnson, Maro. neering Council in Reference to,

JAMES WARREN,-Trans-INGALLS, ferred to Grade of Associate JOHNSTONE, Member, 1104.

INSKEEP, CLAIR ALLEN.—Elected a Member, 785.

International Engineering Congress, 1904.—Disposal of Publications of, 997.

IRVING, JAMES NORMAN.-Elected an Associate Member, 786.

JACKSON, E. E.—Address by, Relative to Recruits for 22d Regiment of Engineers, N. G. N. Y.

JACOBI, EMIL FREDERIC.—Elected an Associate Member, 107.

JACOBOSKY, GILBERT GARFIELD. ber, 601.

JACOBS. Committee, 104, 113; Resignation Accepted as Member of Jones, Paul Sidney .-- Transferred to

nounced, 990.

Java, Engineering Congress, 1919.— Letter Relative to, 610; Statement Relative to, 1131.

JENKINS, THOMAS VINNEDGE. -Elected a Junior, 349.

FRANK WASHBURN. . Elected a Member, 454.

JEWELL, ALBERT HARTWELL.-Elected a Junior, 108.

JOHANNESSON, S., and FREDERICK W. GARDINER .- Paper by, 106.

John Fritz Medal.—Award of, 453; Addresses at Public Presentation of, 476.

John Fritz Medal Board of Award .n Fritz Medal Board of Award.— an Associate Member, 107.
Minutes of Meeting of, 453; Ad- Kempkey, Augustus.—Transferred dresses at Meeting of, 476; Appointment of Representative of Kenan, Joseph Groff.-Elected an Society on, 994.

JOHNSEN, SIGURD STEEN.-Elected an KENNEDY, GERALD JOSEPH.-Elected a Associate Member, 786.

Transferred to Grade of Associate Member, 989.

JOHNSON

ferred to Grade of Associate Member, 109.

- Transferred to Grade of Member, 597.

JOHNSTON, CHARLES E .- On Nominating Committee, 104, 113.

LESLIE INGALLS. Elected an Associate Member, 107.

Joint Constitutional Conference of Local Associations.—Report of Secretary Relative to, 602.

Joint Council of the Engineering Societies of San Francisco.-Minutes of Meeting of, 889.

Joint Engineering Congress, Paris, 1919.—Delegation of American Engineers to, 1107; Correspondence Relative to, 1108.

Jones, George Paxson.-Elected an Associate Member, 597.

Jones, George Wiley.—Elected an Associate Member, 600.

Transferred to Grade of Mem- Jones, Harvey Willard .- Elected an Associate Member, 348.

JOSEPH. - On Nominating Jones, LEE MORGAN.-Transferred to Grade of Member, 350.

Nominating Committee, 993. Grade of Associate Member, 598. Jacobs, Julius Lilien.—Death an Jones, Samuel Thomas, Jr.—Elected an Associate Member, 600.

> JONES, VINCENT KNOWLES .- Elected a Junior, 1103.

> JORGENSEN, L. R.—Paper by, 598. JOSLIN, HAROLD VINCENT.—Transferred to Grade of Member, 989.

> KEENAN, JOHN THOMAS.—Elected a Member, 107.

> KEHOE, ALFRED LAWRENCE, JR. -Elected an Associate Member,

> KEITH, DONALD ROSCOE.—Elected an Associate Member, 988.

KEMMERER, JOHN MARTIN.-

to Grade of Member, 1104.

Associate Member, 1102. Member, 988.

FRANCIS WHITTIER. - KETCHUM, MILO S .- Elected a Director, 106, 129; On Committee on Publications, 238.

KHUEN

LARKIN

KHUEN, RICHARD, JR.-On Library LARKIN, CHARLES RAYMOND.-Elected Committee, 238.

KIGHT, CHARLES On Aerial Mail Service, 990. KILLION, LOUIS JOHN .- Elected an LARSON, REUBEN LAWRENCE .- Elected

Associate Member, 786.

KING. THOMAS RICHARD.—Elected a LARUE, LUTHER.—Elected an Asso-Junior, 455; Transferred to Grade of Associate Member, 787. LASHMET, LUTHER CLYNE.—Elected KING. WESLEY EUGENE.-Transferred

to Grade of Member, 598. KIRBY, LUTHER HILL.-Elected an As-

sociate Member, 597. KIRCHER, PAUL.-Elected an Associate Member, 988.

KITTREDGE, GEORGE W .- Presides at Meeting, 106, 351, 783, 987; On Committee to Confer with United Engineering Society to Develop Plan for Financing for Additional Member Societies, 237; On Finance Committee, 238.

KLEINSCHMIDT, HENRY SCHWING .-

an Associate Member, 597.

KNUTSON, GEORGE HENRY .- Transferred to Grade of Member, 108.

KOCH, EDWARD LOUIS .- Elected an Associate Member, 1102.

KOESTER, EDWIN FERDINAND.-Elected a Junior, 989.

KONE, SAMUEL LOUIS.- Elected an Associate Member, 455.

KRAUS, ARTHUR. - Transferred to-Grade of Associate Member, 787:

KRUSE, OTTO VON.—Elected an Associate Member, 597.

KWAN, TSU CHANG.—Elected a Junior, 989.

LACHER, WALTER SCOTT.—Elected an Associate Member, 597.

LAMONT, CLARENCE BOOTH.-Death announced, 456.

LANE, ALBERT LOSSEN.—Elected a Junior, 455.

LANGTHORN, JACOB STINMAN.-Nominated as Director, 891.

LAPHAM, JOHN RAYMOND.—Trans- Gifts Received by, 606, ferred to Grade of Associate LICHTNER, WILLIAM OTTO.—Trans-Member, 456.

a Junior, 108. N .- Address by, Larsen, Peter Magnus .- Elected an

Associate Member, 107.

an Associate Member, 597.

ciate Member, 600.

an Associate Member, 455. LASS, CHARLES ABRAHAM.-Elected

an Associate Member, 1102. LATIMER, HUGH.-Elected an Associate Member, 348.

LAURENCE, PAUL ARTHUR.-Elected an Associate Member, 597.

Laurie Prize.—Award of, 104, 111. LAVIS, F .- Exhibits Slides Showing Scenes, etc., in Guatemala, 596. LAWRIE, JAMES ALBRO.—Elected a

Member, 348.

LAWSON, LAWRENCE MILTON.-Transferred to Grade of Member, 350. Transferred to Grade of Member, LAYFIELD, E. N .- On New York Meetings Committee, 784.

KLEPINGER, HOWARD ROBERT.—Elected LEA, WILLIAM SCHURMAN.—Elected a Member, 107.

KNOX, WILLIAM BURBIS.—Elected an LEARNED, ALBERT PREISACH.—Trans-Associate Member, 1102. ferred to Grade of Associate Member, 598.

LEE, ROBERT HILEMAN.-Transferred to Grade of Member, 598.

LEECH, JAMES HAROLD.-Elected an Associate Member, 1102.

LEHNER, WALTER JOHN.—Elected an Associate Member, 600.

Lewis, Nelson P.—Presents Resolutions Relative to Proposed Revision of the Constitution, 105, 126; Elected a Vice-President, 106, 129; Presides at Meeting, 233, 347, 598; On Finance Committee, 238; Appointed Delegate to Joint Engineering Congress, Paris, 1107; On Committee on Reconstruction, 1112.

Library Board.—Appropriation Approved, 991.

Library Committee.—Report of, 235, 247; Appointment of, 238.

Library, Engineering Societies.—Accessions to. 40, 163, 260, 365, 506, 638, 799, 901, 1009, 1144;

ferred to Grade of Member, 350.

LIDRAL, JOHN FRANK .- Elected an LOGAN, WILLIAM STEVENSON, JR .-Associate Member, 348.

LINDBERY, CHARLES ARTHUR .- Death announced, 784.

LINDENTHAL, GUSTAV.-Discussion by, 105, 122.

LING, HUNG HSUN.-Elected a Junior, 989.

LISMAN, OLIVER CROMWELL.-Transferred to Grade of Associate Member, 989.

Lo, Ying.—Elected a Junior, 349. Local Associations. - Abstract of Minutes of Meetings of, 16, 17, 18, 19, 20, 154, 155, 156, 157, 158, 252, 253, 254, 256, 356, 358, 359, 361, 498, 499, 501, 620, 621, 622, 623, 626, 629, 630, 632, 633, 791, 792, 794, 894, 895, 1003, 1004, 1135, 1136; Constitution of Pittsburgh Association Approved, 237; Resolution of Board of Direction Relative to Action of, On Resolutions of Executive Committee on 1917 War Revenue Act, 457, 461; Report of Committee of Southern California Association, and Letter from W. E. Belknap, on Proper Relations of, To Society, etc., 458, 465; Appointment Authorized, Of Committee to Report on Plan for Officers of Society to Visit, 459; Report of Committee Appointed to Report on Plan for Officers of Society to Visit, 601; Reference to, By Board of Direction, Of Resolution of Detroit Section of American Society of Mechanical Engineers in Regard to Technical Courses for Women, 602; Report to Board of Direction Relative to Action of, On Proposed Joint Constitutional Conference, 602; Report of Secretary to Board of Direction Relative to Visits to, 993; Report of Seattle Association on Work of Committee on Development, 1127; Amended Report of Seattle's Committee on Relations of, To Society, etc., 1129.

LOCKWOOD, VALENTINE. LEROY Electeu an Associate Member, 988. McGEE, HAROLD LOGAN, JAMES BAILEY.-Elected an Associate Member, 988.

Elected an Associate Member, 1102.

LONG, VERNE VERE.-Elected an Associate Member, 597. LOVELAND, CHARLES DUBUISSON. -

Elected an Associate Member, 597. LOWDEN, SPENCER WILLIAM,-Elected an Associate Member, 988.

Lowe, Jesse.—Death announced, 456. LOWETH, CHARLES F .- Appointment of, As Representative of Society on Engineering Council, 236.

LOWREY, SAMUEL MACELROY .- Transferred to Grade of Associate Member, 456.

LUNDGREN, LEONARD.—Transferred to Grade of Member, 598.

LYDON, WILLIAM ANTHONY .- Death announced, 1104.

LYON, FREDERICK WILLIAM .- Transferred to Grade of Member, 989. LYON, GEORGE EDMUND.-Elected a Junior, 989.

MACBETH, JAMES ALEXANDER DUFF .-Elected an Associate Member, 597. MACDONALD, CHARLES .- Transferred to Grade of Member, 456.

MACGLASHAN, ALEXANDER. - Elected

a Member, 348. G.-Letter to, McAdoo, WILLIAM From Engineering Council Relative to Classification and Compensation of Technical Engineers in Railroad Employ, 1125.

McChesney, Mortimer Johnson .-Elected an Associate Member, 1102.

McClure, Guy Vincent .- Death announced, 1105.

McClure, HUNTER. — Death nounced, 990.

McCoy, Charles Ephraim.-Elected a Member, 596.

McCoy, Curtis John.—Elected an Associate Member, 600.

McCullough, Francis MICHAEL .-Elected an Associate Member, 988. MAYNARD McDanel, SARGENT. Elected a Member, 348.

McGee, ARTHUR BRANCH. - Elected a Junior, 108.

GILBERT. - Transferred to Grade of Associate Member, 456.

CROSBY McGIFFERT. Elected an Associate Member, 1102.

an Associate Member, 349.

McKean, HARRY PARKER. - Transferred to Grade of Associate MARTIN, GEORGE EARL. -Member, 1104. McKelvey, James Gray.—Elected a

Junior, 455.

McMath, Robert Emmet. - Death announced, 784.

McMillan, William Bruce.—Transferred to Grade of Associate Mathias, Jared Leroy .- Transferred Member, 109.

McMullen, CLEMENTS.—Elected a Junior, 597.

McMurtrie, Douglas C.—Statement by, Relative to Reconstruction of the Crippled Soldier, 614. McNaughton, William Carlton.—

Elected an Associate Member,

McNeal, Thomas Carl.—Elected a Meetings of Society.—Resolutions of Junior, 349.

McPherson, Albert Mortimer. Elected an Associate Member, 107.

McPike, Martin John.-Elected an Associate Member, 786.

MAHONEY, JOSEPH NATHANIEL. -Elected a Member, 988.

MAIN, CHARLES T .- Appointed Delegate to Joint Engineering Congress, Paris, 1107.

MALONE, GEORGE WILSON.—Elected a · Junior, 787.

MALOY, THOMAS FRANKLIN.-Elected an Associate Member, 600.

"Manhattan Elevated Railway Improvements," presented and discussed, 106.

Associate Member, 1102.

Mann, C. R.—Address by, 104, 114; On Engineering Education, 1132.

Map of United States, Special Comof Committee on Special Com-Relative to Appointment of, 992.

784.

MARPLE, Death announced, 457.

JAQUITH. - MARSH, F. B .- Appointed Teller to Canvass Ballot on Proposed Revision of Constitution, 234.

McIntyre, Lewis Wedsel.-Elected Marshall, Cyril Ernest Davis .-Transferred to Grade of Associate Member, 456.

- Transferred to Grade of Associate Member, 989.

MARTIN, LLOYD LITTELL. - Elected a Junior, 989.

MASON, GEORGE C .- On Committee on Development, 888.

to Grade of Associate Member, 109.

MAY, DONALD CURTIS. - Transferred to Grade of Associate Member, 109.

MAYHEW, ALFRED BOARDMAN.-Death announced, 599.

MEEKER, RALPH INMAN. - Elected an

Board of Direction Relative to Conduct of, and Appointment of New York Meetings Committee, 458, 783.

MELLEN, WINTHROP WARREN.-Elected an Associate Member, 1102.

Membership.—Additions, 81, 208, 307, 417, 560, 691, 844, 949, 1063, 1199; Changes of Address, 309, 420, 564, 703, 844, 953, 1067, 1202; Reinstatements, 84, 211, 739, 1083, 1212; Resignations, 84, 211, 320, 577, 740, 1083; Deaths, 85, 212, 320, 433, 578, 740, 854, 965, 1083, 1212; Summary of, On Roll of Honor, 903, 1015, 1148.

MANHEIMER, LOUIS B .- Elected an Memorial Tablet .- Resolution Relative to, For Members Who Lose Their Lives in Present War, 233.

Statement Relative to Report of, MENKE, WILLIAM. - Transferred to Grade of Associate Member, 456; Death announced, 990.

mittee on Completing.-Report MEREDITH, WYNN. - Elected an Associate Member, 349.

mittees to Board of Direction MERRILL, OGDEN. - Death announced, 990.

MARBURG, EDGAR.—Death announced, METCALF, LEONARD. — Nominated as Vice-President, 891.

WILLIAM MCKELVEY. - Metric System.-Statement Relative to Extending Use of, 1126.

MIDDLETON

MIDDLETON, RAYMOND THOMAS. — Monthly List of Engineering Articles Elected an Associate Member,

Elected an Associate Member,

MILKOWSKI, VICTOR JOHN. - Trans-Member, 601.

Grade of Associate Member, 109.

to Grade of Member, 598. MILTON, SAMUEL LAWRENCE.—Elected

an Associate Member, 597. MINI, THEODORE ROBERT.—Elected an Moots, Elmer Earl.—Transferred to

Associate Member, 600.

Minutes of Meeting of Joint Council Mordecal, Augustus. - Death anof Engineering Societies of San Francisco, 889.

Minutes of Meetings of Special Committees, 362.

Minutes of Meetings of the Board of Direction, 235, 237, 238, 457, 459, 601, 603, 788, 991, 995.

Minutes of Meetings of the Society, 1, 2, 103, 106, 110, 233, 234, 347, 351, 453, 595, 598, 783, 879, 880, 987, 990, 1101.

MITCHEL, JOHN PURROY. - Address by, 6.

MITCHELL, FRANK LIVINGSTON. Elected an Associate Member,

MITCHELL, WILLIAM MONTGOMERY. -Elected an Associate Member,

MIXSELL, HARRY WORTHINGTON. -Elected an Associate Member,

Mogensen, Peter.-On Committee to Recommend the Award of Prizes,

Molitor, D. A.—Discussion by, 234. MONAGHAN, JOHN RIPLEY. - Elected an Associate Member, 455.

MONCURE, WILLIAM AUGUSTUS. -Deata announced, 1104.

MONTERO, JULIO DANIEL. -- Transferred to Grade of Member, 350. MYERS, JOHN HAYES .- Discussion by, Montgomery, Julian. — Elected an

Associate Member, 455.

MONTHLY

of Interest, 86, 213, 321, 434, 579, 741, 855, 966, 1084, 1213.

MILHOLLAND, CLARENCE VICTOR. - MOORE, CHARLES AUDIE.-Elected an Associate Member, 349.

MOORE, CHARLES REA. — Transferred to Grade of Member, 787.

ferred to Grade of Associate Moore, Frank Cook. - Elected a Member, 596.

MILLER, JOHN OWEN.-Transferred to Moore, JAMES ARCHIBALD. - Elected an Associate Member, 455.

MILNER, WINFRED LEON .- Transferred Moore, PHILIP N .- Report of, To Engineering Council on Representation of Engineers at National Capital, 1106, 1109.

Grade of Associate Member, 456. Minutes of Meeting of John Fritz MOBAN, ROBERT BRECK.—Transferred Medal Board of Award, 453, 476. to Grade of Member, 601.

nounced, 785.

Morris, Charles John Augustus.-Death announced, 1104.

Morse, Charles A .- On Nominating Committee, 104, 113.

Moses, Howard Eugene. - Elected a Member, 454.

Mosley, Earl Louis.—Transferred to Grade of Member, 1104.

MOTTIER, CHARLES HALVATIOUS. -Elected an Associate Member,

MOUVET, OSCAR .- Address by, 880. MUENSCHER, EMORY WASHBURN. Death announced, 351.

MUIRHEAD, J. H. H .- Address by, 1101.

MULLER, GUTTORM .- Elected a Member. 988.

MUNKELT, FREDERICK HERMAN. -Transferred to Grade of Associate Member, 456.

MUNOZ, GONZALO CLAUDIO. - Transferred to Grade of Member, 787.

MURRAY, FENWICK HALL.-Elected an Associate Member, 349.

MURRAY, JAMES POWELL. - Death announced, 991.

MURRAY, JOHN BONAVENTURE.—Death announced, 785.

MURRAY, SAMUEL. -Transferred to Grade of Member, 1104.

1; Transferred to Grade of Member. 598.

NAGLER

234; Transferred to Grade of Associate Member, 598.

NAGRODSKY, VLADIMIR ADOLFOVITCH. -Elected a Member, 348.

National Research Council, Committee on Engineering. Appointment of Member of, 602.

ment of Representatives of So-

ing Council Relative to Appointment of, 1106, 1109; Action by, and Resolutions of, Engineering Council Relative to Appointment of, 1106; Resolution of Executive Committee of Board of Direction Endorsing Action of Engineering Council Relative to Appointment of, 1106; Telegram from Committee on Development to Executive Committee Relative to Appointment of, 1106.

Naval Consulting Board .- Report of Representatives of Society on, 3; Action by Board of Direction Relative to Report of Representatives of Society on, 236.

Nebraska Association.-Abstract of Minutes of Meetings of, 19, 157. NEEL, ARTHUR Wood.—Elected Member, 107.

announced, 599. NETHERCUT, EDGAR S .- On Committee on Development, 888.

NEWBOLD. RICHARD CLAXTON. . Elected an Associate Member, 1102.

NEWHALL, HENRY LESTER. - Transferred to Grade of Member, 787. NEWMAN, JAMES BLAINE.—Elected a

Junior, 597. NEWTON, ERNEST JAMES.—Elected a

Member, 1102 New York City.—Celebration of Com-pletion of Catskill Water Sup-

ply for, 6. York Meetings Committee.— Resolutions of Board of Direction Relative to Appointment of, 458, 784; Appointment of, Change in Personnel of, 1124.

NICHOLS, CHARLES SABIN.—Elected an Associate Member, 600.

NICHOLS

NAGLER, FLOYD AUGUST. - Paper by, NICHOLS, JOHN ROBERT .- Transferred to Grade of Member, 598:

NICHOLS, ROBERT BRADLEY .- Elected an Associate Member, 455.

NICHOLSON, ERNEST. — Elected an Associate Member, 1102.

NILES, ALFRED SALEM, JR.—Elected a Junior, 597.

National Security League.-Appoint- NOBLE, FREDERICK C .- On Committee on Publications, 238; On

ciety to Meeting of, 236. Committee on Development, 888.

National Service Committee.—Report of Philip N. Moore to Engineer of Tellers Appointed to Canvass Final Suggestions for, 104, 111, 237; Resignation of Louis C. Hill as Member of, 459; Appointment of W. K. Barnard as Member of, 459; Resignation of A. J. Himes as Member of, 602; Appointment of George H. Tinker as Member of, 602; Presents List of Nominees, 891, 993; Appointment of Committee of Board of Direction to Canvass Preliminary and Final Suggestions for Members of, Authorized, 903; Appointment of Ulysses B. Hough as Member of, 993; Resignation of Joseph Jacobs as Member of, 993.

NORELIUS, LEWIS MAGNUS .- Elected an Associate Member, 600.

Norman Medal.-Award of, 104, 111. NORRIS, ALEXANDER JOSEPH.—Death announced, 1104.

NEHER, CLARENCE RUFUS. - Death NORTON, PAUL WILLARD.-Elected an Associate Member, 597.

> O'BRIEN, JAMES BRUCE.—Elected a Junior, 787.

> O'BRIEN, WILLIAM ARTHUR. - Death announced, 990.

> O'CONNELL, THOMAS JAMES .- Elected an Associate Member, 1102.

> O'CONNOR, JOHN A .- Appointed a Member of Board of Direction,

> ODELL, RUTLEDGE IRVING .- Death announced, 785.

O'DONNEIL, JOHN RUBERI. ferred to Grade of Associate Member, 787.

Officers of the Society.-Appointment of Tellers to Canvass Ballots for, 103, 110, 993; Report of Tellers, On Ballots for, 106, 129; Appointment Authorized, Of Com-

OGDEN

Visit Local Associations, 459; Report of Committee Appointed to Report on Plan for, To Visit Local Associations, 601; Report of Secretary to Board of Direction Relative to Plan for, To

Visit Local Associations, 993. OGDEN, MERTON MILES.—Transferred to Grade of Associate Member,

1104.

OHRT, FREDERICK. - Transferred to Grade of Associate Member, 989. OKUN, ABRAHAM HARRY.—Elected a Junior, 600.

OLMSTED. ROGER WOLCOTT.-Elected an Associate Member, 600.

OLSON, JOHN NATHANIEL. - Transferred to Grade of Associate Member, 787. OPDYKE, STACY BROWN, JR .- Death

announced, 351.

OPENSHAW, JOHN EDWARD.—Elected an Associate Member, 107.

OUTWATER. HERBERT GEORGE. Elected an Associate Member, 107.

PAASWELL, GEORGE.-Elected an Asso- PEW, ciate Member, 600.

CHAPMAN. -FRANCIS PACKARD. Elected an Associate Member,

PADDOCK, ALBERT EDWARD.-Elected an Associate Member, 1102.

PAINE, RENNICK RUBENELL.—Elected an Associate Member, 107.

PAINTER, PENNELL CHURCHMAN.— Elected an Associate Member,

PALMER, HERBERT MARTIN.-Elected a PICKEN, Junior, 455.

announced, 991.

PALMER, WALLACE CROMWELL ALLEN. PINNEY, JAMES CHARLES, JR.-Elected -Transferred to Grade of Member, 788.

PARKE, SAMUEL REYNOLDS.—Elected an Associate Member, 349.

PARRIGIN, FRANK SNOW.—Transferred PLEW, WILLIAM REECE.—Elected an to Grade of Member, 989.

PASCO, BENJAMIN GILBERT.—Elected POLHEMUS, JAMES HENRY.—Elected an Associate Member, 107.

Member, 785.

PAULSEN, CARL GUSTAV.-Elected an PORTERFIELD, Associate Member, 597.

mittee to Report on Plan for, To PAYNE, LOUIS WATTERS.—Transferred to Grade of Associate Member, 109.

"Pearl Harbor Dry Dock", Awarded the James Laurie Prize, 104, 111. PEARSON, ROBERT LOGAN.—Elected a

Member, 454.

PEGRAM, GEORGE H.—Presides Meeting, 6, 103, 110; Address by, 9, 103, 110; Discussion by, 107. KINS, ROSCOE, JR.—Elected PERKINS,

Junior, 349.

PERRILLIAT, ARSÈNE.—On Committee on Development, 888.

PERRINE, GEORGE.—Paper by, 1.
PERRING, HENRY GARFIELD.—Transferred to Grade of Member, 350. PERRY, JOHN PRINCE HAZEN.-Trans-

ferred to Grade of Member, 788. PENDLEBURY, EDWARD. - Transferred to Grade of Member, 1104.

PENDLETON, THOMAS PERCY.-Elected an Associate Member, 1102. "Personal Recollections of War Oper-

ations on Inland Waterways,' Address on, 1101.

Peterson, John.—Elected an Associate Member, 600. ARTHUR.—On Committee on

Development, 888. PEYTON, ASHTON RAMSEY,-Elected

an Associate Member, 107. PEYTON, JOHN Howe.-Death

nounced, 880. Philadelphia Association. - Abstract of Minutes of Meetings of, 629, 794.

PHILLIPS, WALTER BELLEVILLE. -Elected an Associate Member, 600.

MARSHALL WOOLLEY. -Elected a Junior, 787.

PALMER, RICHARD JETER, JR.—Death PIERCE, CHAUNCEY ARTHUR.—Elected an Associate Member, 786.

a Member, 454.

Pittsburgh Association.—Constitution Approved, 237; Abstract of Minutes of Meetings of, 254, 359.

Associate Member, 786.

an Associate Member, 349. PASSEL, HOWARD FAY.—Elected a POOLE, RUBLE ISAAC.—Transferred to

Grade of Associate Member, 109. FERFIELD, ROY ALBERT.—Elected an Associate Member, 597.

PORTLAND

Minutes of Meetings of, 158, 630; Approves Plan for Visits to Local Associations, 993.

POTTER, EDWIN JAMES .- Death announced, 1105.

Potts, Wilmer Houston.—Elected Railroads, Director General of.—Letan Associate Member, 600.

Powers, C. V. V.—Discussion by, 1; Appointed Teller to Canvass Teller to Canvass Ballot for Officers, 103, 110,

PRACK, ARTHUR EDWARD. -Transferred to Grade of Associate Member, 1104.

Preston, John Owings .- Elected a Junior, 108.

PRICHARD, HENRY S .- Awarded the J. James R. Croes Medal, 104,

to Grade of Member, 598.

Award of.—Report of, 104, 110; Report of, Adopted by Board of Direction, 236; Appointment of, 602.

Proceedings.—Decision of Publication Committee Relative to Discontinuance of Publication of Technical Papers and Discussion in,

PROCTOR, RALPH SAWYER.-Elected an Associate Member, 600.

Professional Classes War Relief of America.-Letter from Secretary of, 143.

Publication Committee.—Progress keport of, 235; Appointment of, 238; Decision of, Relative to Discontinuance of Publication of Technical Papers and Discussions in Proceedings, 996.

Publications, Society. -Action Board of Direction and Publica-'tion Committee Relative to, 991,

996. PUCKETT, HOMER.—Elected an Associate Member, 349.

PUDDICOMBE, ALBERT BRUCE.—Elected a Junior, 349.

PUTNAM, GEORGE R .-- On Committee on Development, 888.

QUIMBY, H. H.—Discussion by, 1. QUINNEY, ELWIN HARRIS.-Elected an REDMAN, DWIGHT RAYMOND.-Elected Associate Member, 786.

RAILROAD

Portland Association.—Abstract of Railroad Wage Commission.—Communication to, By Engineering Council, Relative to Compensa-tion of Professional Engineers and Engineering Assistants on Railroads, 243.

> ter to, From Engineering Council Relative to Classification and Compensation of Technical Engineers in Railroad Employ, 1125.

RALSTON, J. C .- On Committee on Development, 888.

RANDLETT, FRED MORSE.—Transferred to Grade of Member, 989.

RANNELLS, CLARENCE J .- Death announced, 990.

RAPP, PHILIP.—Elected an Associate 111; Discussion by, 105, 122. Member, 349.
PRIOR, JOHN CLINTON.—Transferred RAYMOND, ROSSITER W.—Address by,

Prizes, Committee to Recommend the Reading Room of Society .-- Action of Board of Direction Relative to Closing of, In Evenings During July and August, 603.

REAM, WARD HALL. -- Death announced, 1105.

Reconstruction Commission. - Letter to, and Reply from, President Wilson to Engineering Council. Relative to Engineer Representative on Proposed, 1115.

Reconstruction, Committee on.-Resolution Relative to Appointment of, 784; Appointment Authorized, 993; Report of, 1107, 1112; Action of Executive Committee Relative to Report of, 1107; Members of, 1112.

Reconstruction Congress of War Service Committees.—Statement Relative to, 1123.

Reconstruction Work. - Action Executive Committee Relative to, 1106; American Engineers Appointed to Aid France in, 1107.

Red Cross Institute for Crippled and Disabled Men, New York City.-Article by Director of, Relative to Reconstruction of the Crippled Soldier, 614.

REDDING, JOSEPH HERBERT .- Elected a Member, 348.

an Associate Member, 600.

REED, CHARLES ALLEY .- Elected an Report of Committee on Steel Columns

Associate Member, 786.
REICHARDT, WALTER FREDERICK. — Transferred to Grade of Member, Report of Committee to Codify Pres-

REIDPATH, ELBERT HUME. - Transferred to Grade of Associate Member, 598.

REIMANN, ROBERT.-Transferred to Grade of Member, 456.

EDWARD ALEXANDER. -Elected a Junior, 455.

Report of Board of Direction, 24, 104, 110, 236.

Report of Committee Appointed to Report on Plan for Officers of the Society to Visit Local Associations, 601.

Report of Committee of Board of Direction to Report on General Policy of the Society with Regard to Approval of Standards of All Kinds, 992.

Report of Committee of Engineering Council Appointed to Recommend Candidate for Permanent Secre-

Report of Committee of Engineering Council on Rules for Admission of Additional Societies, 7, 457, 473.

Report of Committee of Southern California Association and Letter from W. E. Belknap, on Proper Relations of Local Associations to Society, etc., 458, 465.

Report of Committee on Development, 1117.

Report of Committee on Engineering Education, 104, 113.

Report of Committee on Establishment of Student Branches of the Society, 144, 235.

Report of Committee on Materials for Road Construction, 105, 118.

Report of Committee on Reconstruction, 1107, 1112; Action of Executive Committee Relative to, 1107.

Report of Committee on Regulation of Report of Tellers Appointed to Can-

mittees, 235, 244, 457, 460.

Report of Committee on Special Com-Relative to Appointment of Special Committee on Completing Map of the United States, 992.

and Struts, 105, 119; Discussion on, 105, 122,

ent Practice on the Bearing Value of Soils for Foundations, etc., 104, 117.

Report of Committee to Recommend the Award of Prizes, 104, 110; Adoption of, By Board of Direction, 236.

Report of Committee to Report on Stresses in Railroad Track, 104, 118.

Report of Library Committee, 235, 247.

Report of Philip N. Moore to Engineering Council Relative to Representation of Engineers at National Capital, 1109.

Report of Publication Committee, 235. Report of Representatives of Society on Naval Consulting Board, 3; Action of Board of Direction Relative to, 236.

Report of Screw Thread Tolerance Committee of American Society of Mechanical Engineers.-Representation of Society at Public Hearing of, 602.

Report of Seattle Association on Work of Development Committee, 1127; On Relations of Local Associations to Society, etc., 1129.

Report of Secretary, 36, 104, 110. Report of Secretary Relative to Lease, Alterations, etc., of Society House, 602, 992.

Report of Secretary to Board of Direction Relative to Action of Local Associations on Proposed Joint Constitutional Conference, etc., 602.

Report of Secretary to Board of Direction Relative to Visits of Officers to Local Associations, 993.

Water Rights, 105, 123. vass Ballot for Officers, 106, 129.
Report of Committee on Special Com-Report of Tellers Appointed to Canvass Ballot for Officers, 106, 129.

vass Ballots on Proposed Revision of Constitution, 234

mittees to Board of Direction Report of Tellers Appointed to Canvass Final Suggestions for Nominating Committee, 104, 111, 237. Report of Treasurer, 39, 104, 110.

REPORT

Report on Engineering Education by Dr. C. R. Mann.—Statement Relative to, 1132.

ing Council Toward Additional

Member Societies, 236.

Resolution of Board of Direction sociations on Resolutions of Executive Committee on 1917 War Revenue Act, 457, 461. with Society, 143, 236.
Resolution of Board of Direction Resolutions of Engineering Council

Relative to Appointment of Committee on Engineering Employ-

ment, 991.

Resolution of Board of Direction Relative to Invitation of American Association of Engineers to Send Delegates to Its Annual Resolutions Presented by Nelson P. Meeting, 458.

Resolution of Board of Direction Relative to Lease of Society House to Ajax Rubber Company, REYNOLDS, EDWIN GEORGE,

Inc., 992.

Resolution of Board of Direction Relative to Organization American Academy of Engineers,

Resolution of Board of Direction Relative to Remittance of Dues of Members in Military Service, RIBEIRO, GEORGE.—Elected an Asso-

457, 460. ciate Member, 1103. Resolution of Detroit Section of RICE, CALVIN W.—On Committee in American Society of Mechanical Engineers Relative to Technical

Board of Direction on, 602.

Resolution of Engineering Council
Relative to Drafting of EngineerRelative to Drafting Order EngineerRelative to Drafting Or

Resolution of Executive Committee of Board of Direction Endorsing Action of Engineering Council Re- Elected a lative to Appointment of National RICKARD, JOHN PHILIP.—Elected an Service Committee, 1106.

Fuller for Address Before the

Society, 351. Resolution Relative to Appointment of Committee on Reconstruction

After the War, 784. Resolution Relative to Memorial Tablet for Members Who Lose Their Lives in Present War, 233.

lative to Appointment of Com-

RESOLUTIONS

mittee on Development of the American Society of Civil Engineers, 603, 604.

Resolution of Board of Direction Resolutions of Board of Direction Relative to Action of Engineer-Relative to Conduct of Meetings of the Society, and Appointment of New York Meetings Committee, 458, 783.

Relative to Action of Local As- Resolutions of Canadian Society of Civil Engineers Relative to Establishment of Closer Relations

> Relative to Appointment of National Service Committee, 1106.

> Resolutions of Engineering Foundation Relative to Project for Survey of Engineering Organizations, 994

Lewis Relative to Proposed Revision of the Constitution, 105, 126.

JR.-Elected an Associate Member, 349.

of REYNOLDS, FRANK LOUIS. - Elected

an Associate, 1103.
NOLDS, LEO FRANCIS. — Trans-REYNOLDS, LEO FRANCIS. — Transferred to Grade of Associate Member, 787.

Charge of Catskill Water Supply Celebration, 6.

Courses for Women,—Action by RICE, JAMES HORNER.—Elected an

ing Students for War Service, 8. RICHARDSON, GEORGE BIBLE.—Elected an Associate Member, 1103.

THOMAS COLYER. -Elected a Junior, 787.

Associate Member, 349.

Resolution of Thanks to George W. RIDGWAY, ROBERT.—Discussion by, 1; Appointed Teller to Canvass Ballot for Officers, 103, 110; Presents Report of Tellers Appointed to Canvass Ballot for Officers, 106, 128; Resolution by, Relative to Appointment of Com-mittee on Reconstruction After the War, 784.

Resolutions of Board of Direction Re- RIGHTOR, FRED ELMER.—Transferred to Grade of Member, 788.

Report of Special Committee on Steel Columns and Struts, 105, 120; On Committee on Publications, 238; On Library Commit-RUHLING, GEORGE HUTZE. tee, 238.

RIKER, CARBOLL LIVINGSTON, JR.-RINEY, ARTHUR HERBERT.—Elected an

Associate Member, 349.

RICCHIE, JOHN MILTON.—Transferred to Grade of Associate Member, RUMERY, RALPH R .- On New York 456.

F.oad Construction, Special Commit-Rusch, Henri.—Transferred to Grade tee on Materials for .- Final Report of, 105, 118; Discharge of, 105, 119; Report of Committee on Special Committees on Work of, 245.

ROBBINS, HENRY CHANDLER,-Elected a Member, 599

ROBERG, RALPH MASON.-Elected an Associate Member, 455.

ROBERTS, CURLIS.—Elected a Junior,

GEORGE BRADEN.-Elected SAFFORD, H. R.-On Committee to ROBERTS. an Associate Member, 1103.

ROBERTSON, MARSHALL POPE.—Death announced, 457.

ROBERTSON. ROGER ROCKWOOD. -Elected an Associate Member,

ROBINSON, ALBERT ALONZO. - Death announced, 1104.

ROHRBOUGH, ELMORE MARCELLUS .-Elected a Member, 599.

Roll of Honor, 44, 168, 265, 371, 512, 651, 803, 904, 1016, 1149; Action of Board of Direction Relative to Style for, 603; Summary of Society Membership on, 903, 1015, 1148

ROLLO. RALPH ALEXANDER.—Elected an Associate Member, 786.

ROOT, JOSEPH EUGENE.—Transferred to Grade of Member, 1104. Rose, Alexander.—Elected an Asso-

ciate Member, 1103. Ross, LLOYD McCREIGHT.-Elected an

Associate Member, 783.

ROWE, WALTER ELLSWORTH.—Elected an Associate Member, 455. ROWLAND, HERBERT ARLON.-Elected

an Associate Member, 600. ROWLAND, JAMES WALLACE.—Elected an Associate Member, 349.

Rowland Prize.—Award of, 104, 111.

RIGHTS, LEWIS D.—Presents Final Royal Netherlands Institute of Engineers.—Letter, etc., Relative to 1919 Engineering Congress in Java under Auspices of, 610.

ferred to Grade of Associate

Member, 598.

Elected an Associate Member, 988. Rules for Admission of Additional Societies to Engineering Council. Report of Committee on, 7; Adoption of, 458, 473.

Meetings Committee, 1124.

of Member, 108. RUSSELL, EARLE .- Elected an Asso-

ciate Member, 107.

RYDER, JOHN MARVIN.-Liected an Associate Member, 786.

SACKETT, JOHN WARREN .- Death announced, 785.

SACKS. SAMUEL ISAIAH. -Transferred to Grade of Associate Member, 456.

Recommend the Award of Prizes. 602; On Committee on Development, 888.

Louis Association.—Abstract of Minutes of Meetings or, 256, 361, 499, 632, 1003, 1004.

SANBORN, JAMES F .- Appointed Teller to Canvass Ballot for Officers, 103, 110.

San Diego Association.—Abstract of Minutes of Meetings of, 20.

SANDSTEDT, CARL EDWARD.-Transferred to Grade of Associate Member, 787.

San Francisco Association.—Abstract of Minutes of Meetings of, 154, 620, 791.

San Francisco, Joint Council of the Engineering Societies of .- Minutes of Meeting of, 889.

SAUNDERS, WILLIAM L.—Address by,

SAVIDGE, SAMUEL LEIGH .- Elected an Associate Member, 1103.

SAVILLE, CHARLES. - Appointed to Organize Municipal Bureau at Dallas, Tex., 1126.

SAWYER, CHARLES LEGLER.-Elected an Associate Member, 988.

SCHILLING

Elected an Associate Member, 600. SCHLICK, WILLIAM JAPHIA.—Elected SERRA, JULIUS

an Associate Member, 108.

SCHMIDT, MAX E .- Resolution by, Relative to Memorial Tablet for SEWARD, HAROLD CLINTON.—Trans-Members Who Lose Their Lives in Present War, 233.

SCHMIDT, THEODORE JOHN.—Elected SEYBOLT, GEORGE an Associate Member, 1103.

FREDERICK ERNEST. SCHNEPFE. Elected an Associate Member, 1103.

SCHUSLER, GEORGE WILLIAM.—Elected a Member, 454.

SCHWARTZ, LLOYD.—Elected an Associate Member, 349.

Screw Thread Tolerance Committee of American Society of Mechanical Engineers.-Report on Representation of Society at Public Hearing of Report of, 602.

SEAMAN, DANIEL HENRY. - Transferred to Grade of Associate

Member, 598.

SEARIGHT, GEORGE PETER. - Transferred to Grade of Associate

Member, 1104.

Seattle Association.—Approves Plan for Visits to Local Associations, 993; Report of, On Work of Development Committee, 1127; Report of, On Relations of Local Associations to Society, etc., 1129; Abstract of Minutes of Meeting of, 1139.

Secretary.-Report of, 36, 104, 110; Letter of Thanks to, From Gen. Crozier for Supplying Draftsmen for Ordnance Department, 237; Election of, 238; Report of, To Board of Direction, Relative to Lease, Alterations, etc., of Society House, 602, 992; Report of, To Board of Direction, Relative to Action of Local Associatins on Proposed Joint Constitutional Conference, 602; Statement by, Relative to Action of Board of Direction on Society Publications, 991, 996; Report of, To Board of Direction Relative to Visits to Local Associations, 993.

GEORGE CORLISS.—Death announced 880.

nounced 880. Member, 1102. Seeger, Carl Cris.—Elected an As- Smith, J. Waldo.—Address by, sociate Member, 600.

SENIOR

SCHILLING, ALEXANDER CHARLES .- SENIOR, FRANK SEARS .- Transferred to Grade of Member, 788.

HERSCHEL.—Transferred to Grade of Associate Member, 456.

ferred to Grade of Associate Member, 456.

Hupson.—Elected an Associate Member, 349.

SEYMOUR, CLYDE JOHN.—Elected an Associate Member, 600.

SHAFER, CHARLES GEORGE.—Elected a Member, 454.

SHAILER, ROBERT A .- Discussion by, 1. SHANNON, WILLIAM DAY. - Transferred to Grade of Member, 108.

SHAPIRO, SAMUEL.—Elected an Associate Member, 597.

SHARTS, STANLEY Rush. - Transferred to Grade of Member, 1104.

SHAW, SUMNER F.-Letter from, Describing Earthquake in Guatemala, 595. SHELDON, SAMUEL.—On Committee in

Charge of Catskill Water Supply Celebration. 6.

SHIPMAN, WILLIAM DAVIS.—Elected

a Junior, 787.

SHOECRAFT, EZRA COLLIN.-Transferred to Grade of Member, 108. SHREVE, RALPH FEBREY.—Elected an

Associate Member, 988.

SHURE, AUSTIN FERREE.—Elected an Associate Member, 349. SIDENIUS, HARRY.—Death announced,

1104

SILVERNAIL, ALFRED KIMBERLY.-Elected an Associate Member; 597. SINNOCK, POMEROY.—Elected an Associate Member, 988.

SKINNER, THEODORE HOBART.—Elected

a Member, 785. SLADE, JOHN RHODES.—Elected an

Associate Member, 988.

SLEPPY, KIRBY BALDWIN.—Death announced, 991.

SMITH, ALEXANDER CRAWFORD, JR .-Transferred to Grade of Associate Member, 109.

SMITH, BERNHARD ALEXANDER. -Elected a Member, 599.

SMITH, EDGAR FIELD .- Death announced, 1105.

UHR.—Elected SMITH, EDWARD

Appointed to Represent Society

on Engineering Foundation, 236; Awarded the by, At Fundamental 453; Address by, At Fundamental 453; Address by, At Fritz Medal, 489.

SMITH, PLUMER HENRY .- Death announced, 350.

SMITH, RICHARD BENNETT.-Transferred to Grade of Associate Member, 989.

SMITH, RUSSELL BIDDLE.—Transferred

Member, 988.

SMITH, WILLIAM AUGUSTUS.—Elected an Associate Member, 455. rh, William Beauvais,

SMITH, Transferred to Grade of Member, 456.

SMULSKI, EDWARD.—Transferred to Grade of Member, 108.

SNOWDEN, RUSSELL ELSTNER.—Elected an Associate Member, 600.

Société des Ingenieurs Civils France.-Invitation from, Relative to Sending Delegation of American Engineers to Joint Engineering Congress, 1107.

Technical, and Technical Societies, War Committees of the United States.—Conference of, 10.

Society House.-Correspondence Relative to Donation of Use of, To United States Food Administratin, 9; Action of Executive Committee Relative to Donation of Use of, To United States Food Administration Approved, 236; Report of Secretary Relative to Lease, Alterations, etc., 602, 992; Resolution of Board of Direction Relative to Lease of, To Ajax Rubber Company, Inc., 992.

Society Items of Interest, 3, 143, 239, 352, 604, 881, 996, 1106.

Society Meetings. - Resolutions of Board of Direction Relative to Conduct of, and Appointment of New York Meetings Committee, 458, 783.

Automotive Engineers, Society of Inc.—Appointment Approved, As Member of Engineering Council,

Society, Officers of the .- Appointment Authorized of Committee to Re- STAGER, FREDERICK FRANK.—Elected port on Plan for, To Visit Local

Associations, 459; Report of Committee Appointed to Report on Plan for, To Visit Local Associa-

tions, 601. Society, Publications of.—Action of Board of Direction and Publication Committee Relative to, 991,

Society, Reading Room of.—Action of Board of Direction Relative to Closing of, In Evenings During

to Grade of Member, 108. July and August, 603.

SMITH, VERNON HAYES.—Elected a Society, Student Branches of the.— Report of Committee on Establishment of, 144, 235.

Society. See also Amo of Civil Engineers. See also American Society

Soils for Foundations, etc., Special Committee to Codify Present Practice on the Bearing Value of.—Progress Report of, 104, 117; Report of Committee on Special Committees on Work of, 246.

"Some Present Problems of a Consulting Engineer Above the Draft Age, with Suggestions as Preparedness for Peace as Well as for War," Address on, 880.

Sonne, Otto.-Death announced, 235. Southern California Association.-Report of Committee of, and Letter from W. E. Belknap, on Proper Relations of Local Associations to Society, etc., 458, 465.

SPARROW, WILLIAM WARBURTON Knox.-Transferred to Grade of Member, 1104.

SPAULDING, RALPH EDGAR.-Transferred to Grade of Member, 350. SPEYER, ELWIN GERALD .- Elected a

Member, 1102. Spilsbury, E. Gybbon.—On Committee in Charge of Catskill Water Supply Celebration, 6; Appointed Delegate to Joint Engineering Congress, Paris, 1107.

SPOONER, JOHN IRVING.—Elected an Associate, 600.

SPRIGG, CARROLL CRAWFORD.—Elected an Associate Member, 786.

SQUIRE, EDWARD JACOB.—Elected an Associate Member, 988.

STABELL, FREDERICK PHILIP.—Elected an Associate Member, 349.

a Junior, 349.

STALFORT, JOHN ALFRED.—Elected an STOCKWELL, RUPERT KENNEDY. -Associate Member, 1103.

Standards of All Kinds, Committee of Board of Direction to Report on STOW, General Policy of the Society with Regard to Approval of .-Report of, 992; Discharge of, 992. STRAUSS, CHARLES.—Address by, 7.

Laurie Prize, 104, 111.

an Associate Member, 108.

WILLIAM FREDERICK. Elected an Associate Member, 1103.

STEARNS, FREDERIC P.-Discussion by, 234

Steel Columns and Struts, Special Committee on .- Final Report of, 105, 119; Discharge of, 105, 122; Discussion on Final Report of, 105, 122; Report of Committee on Special Committees on Work of, 245.

STEINLE, CHARLES ALBERT.—Elected an Associate, 1103.

STEINMAN, DAVID BARNARD.—Transferred to Grade of Member, 455.

STEPHENS, GEORGE WILLIAM, JR .-Transferred to Grade of Associate Member, 598.

STEVENS, EDWIN AUGUSTUS .- Death announced, 350.

STEVENSON, CHARLES SAMUEL. -

WILLIAM LAWRIE. -Transferred to Grade of Member, 456.

STEWARD, HARRY MATTHEW .- Elected a Member, 785.

STIEVE, WILLIAM MATTHEW .- Transferred to Grade of Associate Member, 1104.

STILES, THOMAS ALGEO.—Elected an Associate Member, 1103.

STILLWELL, FREDERICK PHILIP. Elected an Associate Member,

STILLWELL, L. B.—Appointed Delegate to Joint Engineering Congress, Paris, 1107.

STOCKBRIDGE, DAVID FIELD.-Elected an Associate Member, 108.

STOCKER, HOWARD RAYMOND. -1103.

Transferred to Grade of Member, 455.

FREDERIC STEVENS .- Transferred to Grade of Associate Member, 1104.

STANFORD, H. R.-Awarded the James STREET, JOHN ZADOK.-Transferred to Grade of Associate Member, 350.

STANTON. WILLIAM FRANK .- Elected Stresses in Railroad Track, Special Committee to Report on .- Progress Report of, 104, 118; Appropriation by Bethlehem Steel Company for Work of, 235; Re-port of Committee on Special Committees on Work of, 246; Minutes of Meetings of, 362.

Student Branches of the Society, Committee on Establishment of.— Report of, 144, 235.

Students, Engineering. - Resolution of Engineering Council Relative to Drafting of, For War Service, 8.

STUHRMAN, EDWARD AHLERT. -Elected a Member, 785.

SULLIVAN, EDWIN QUINBY .an Associate Member, 786.

SULLIVAN, VERNON L .- Paper by, 595.

SUMNER, MERTON ROGERS.—Elected an Associate Member, 597. SUTERMEISTER. ARNOLD HENRY. -

Death announced, 785. Elected an Associate Member, 455. SVANÖE, HAAKON HOLDT .- Elected an Associate Member, 349.

> SWAIN, GEORGE F.—Address by, 9; Appointed Delegate to Joint En-

gineering Congress, Paris, 1107. SWASY, AMBROSE.—Action of Board of Direction Relative to Second Gift from, To Engineering Foundation, 995; Statement Relative to Second Gift from, To Engineering Foundation, 996; Dinner to, By United Engineering Society, 1123.

SWECKER, CLEOPHUS.—Elected an Associate Member, 786.

SWEETLAND, HAROLD ANTHONY .-Transferred to Grade of Associate Member, 989.

SYKES, GAITHER HUNTER.—Elected an Associate Member, 108.

Elected an Associate Member, SYKES, JAMES.—Elected an Associate Member, 108.

TALBOT, ARTHUR N.—Presents Progress Report of Special Committee to Report on Stresses in Railroad Track, 104, 118; Elected President, 106, 129; Address by, 106, 130; Precept Prepared by, For Guidance of Committee on Development, 881; On John Fritz Medal Board of Award, 994; Action of Board of Direction Relative to Annual Address of, As President, 994; Presides at Meeting, 1101.

TATTERSALL, HAROLD.—Elected Associate Member, 600.

TAYLOR, ERNEST WILLIAM.—Elected a Member, 785. Tebbs, Paul McGowan.—Elected an

Associate Member, 455. Technical Courses for Women, Resolution of Detroit Section of American Society of Mechanical by Board of Direction Relative to, 602.

Tellers.-Appointment of, To Canvass Ballots for Officers, 103, 110, 993; Report of, On Final Suggestions for Nominating Committee, 104, 111, 237; Report of, On Ballots for Officers, 106, 129; Appointment of, To Canvass Ballots on Proposed Revision of Constitution, 234; Report of, On Ballots on Proposed Revision of Constitution, 234.

TEMPLETON, RUSH McElroy.-Elected an Associate Member, 1103.

Member, 348.

"Tentative Plan for Representation of Engineers at the National Capital," Report of Philip N. Moore to Engineering Council, 1109.

TERRY, ALFRED Howe.—'1 ransferred to Grade of Member, 108. Texas Association.—Abstract of Min-

utes of Meetings of, 501, 633. THATCHER, WILLIAM NELMS .- Elected an Associate Member, 988.

"The Astoria Tunnel Under the East River for Gas Distribution in New York City," Awarded the Thomas Fitch Rowland Prize, 104. 111.

"The Cherry Street Bridge, Toledo,

"The Duty of the Employer in the Reconstruction of the Crippled Soldier," Article on, 614.

"The Economics of Steel Bridges," presented and discussed, 454.

"The Effects of Straining Structural and Wrought Iron," Awarded the J. James R. Croes Medal, 104, 111.

"The Military Operations of 1918," Address on, 783.

THOMAS, E. B.—On Development, 888. Committee on

MARVIN WATTERSON. -THOMAS, Elected a Junior, 989.

THOMAS, WILLIAM EDWARD.—Transferred to Grade of Member, 788. THOMPSON, CARROLL ROSE.—Elected

an Associate Member, 349. THOMPSON, CLARK WALLACE.-Death

announced, 457.

Engineers in Regard to.—Action Thompson, Perry.—Elected an Associate Member, 1103.

THOMSÓN, T. KENNARD.—Discussion by, 2, 107, 347, 454, 595; Presides at Meeting, 595; Address by, 880.

THORN, HARRY BELMONTE,-Elected an Associate Memoer, 1103. ARTHUR W.—On New

TIDD, ARTHUR W.-On York Meetings Committee, 784. TILDEN, CHARLES J.—On Committee on Development, 888.

TILLOTSON, ELBERT SAUNDERS. -Elected a Junior, 1103.

TILLSON, BENJAMIN FRANKLIN. -Elected a Member, 785.

TENNEY, ARTHUR ARNOLD.—Elected a TILLSON, GEORGE W.—Presents Final Report of Special Committee on Materials for Road Construction, 105, 119; Elected Treasurer, 106, 129; On Committee on Special 238; Committees, Appointed Delegate to Joint Engineering Congress, Paris, 1107. TIMBERLAKE, SETH MARTIN.—Trans-

ferred to Grade of Associate

Member, 598. TINKER, GEORGE H .- Appointment of, As Member of Nominating Com-

mittee, 602. TINKHAM, S. EVERETT.—On Committee on Development, 888.

TITUS, JAMES HAMILTON.—Elected an Associate Member, 1103.

Ohio," Awarded the Collingwood Tompkins, Charles Hook.—Trans-Prize, 104, 111. ferred to Grade of Member, 1104.

TOMPKINS

TOMPKINS, ROBERT HARRY .- Elected an Associate Member, 349.

Tong, Pao-Tung.-Elected an Associate Member, 786.

WILHELM. -TORKELSON, MARTIN ber, 788.

TOWNLEY, CALVERT .- Resignation as Secretary of Engineering Council Accepted, 7: Statement Subof Commerce, in Behalf of Engi-Council, Relative neering Hydro-Electric Development, 145.

TULLOCH McCosh. TOWNSEND, TRACK, FRANK ANTON.-Elected an

Associate Member, 786.

Transactions, 1919.—Action of Board

of Direction Relative to Publication of, 991, 996.

TRAVELL, WARREN BERTRAM .- Transferred to Grade of Member, 108. Treasurer.—Report of, 39, 104, 110. Trees, Merle J.—Elected a Member,

988. TRELEASE, FRANK JOHNSON.—Transferred to Grade of Member, 108. Upson,

TRESER, ALBERT PAUL.—Elected a Junior, 989.

TRIMBLE, ROSWELL DELMEGE. -Elected a Member, 785.

TROUT, CHARLES E .- On Nominating Committee, 104, 113.

TRUDEAU, JAMES ARTHUR.-Elected an Associate Member, 600.

TUDBURY, WARREN CHAMBERLAINE .-350.

TUTTLE, ARTHUR SMITH .- Nominated as Treasurer, 891.

United Engineering Society. - Appointment of Representative of Society on Board of, 236, 994; Appointment of Committee to Confer with, To Develop Plan for Financing for Additional Member Societies, 237; Dinner Given by, To Ambrose Swasey, 1123.

United States Chamber of Commerce. ing Council, Relative to Hydro-Electric Development, 145.

-Correspondence with, Rela-

UNITED

tive to Donation of Use of Society House by, 9; Action of Executive Committee Relative to Society Donation of Use of House by, Approved, 236.

Transferred to Grade of Mem- United States, Map of, Special Committee on Completing .- Report of Committee on Special Committees to Board of Direction Relative to Appointment of, 992.

mitted to United States Chamber United States Ordnance Department. Relative -Announcement Work of, 2; Letter of Thanks to Secretary for Supplying Draftsmen for, 237.

Elected an Associate Member, 600. United States, President of.—Letter to, and Reply from, Relative to Engineering Representation on Proposed Reconstruction Commission, 1115.

United States, Secretary of State.— Correspondence of, Relative to Delegates to Joint Engineering Congress, 1108.

United States War Department .-Engineer Officers Wanted 605.

WARREN WILLIAM.—Death announced, 1105.

URQUHART, LEONARD CHURCH. Elected an Associate Member, 349.

VAN BUREN, JOHN D.— Death announced, 350.

VAN CLEVE, H. P.—Discussion by, 454.

Transferred to Grade of Member, VANDERHOOF, ARNOLD HINES .-Elected an Associate Member, 455.

> DEUSEN, EDGAR ALLCHIN .-VAN Elected an Associate Member, 597.

> VAN REIGERSBERG VERSLUYS, J. C .-Discussion by, 347. VAN ZILE, HARRY LEE,-Transferred

> to Grade of Member, 989. VARNEY, WILLIAM WESLEY.-Elected a Member, 454.

> VAUGHN, ROMNEY LEIGH. - Transferred to Grade of Associate Member, 787.

"Verification of the Bazin Weir For-—Statement to, by Calvert "Verification of the Bazin Weir For-Townley, in Behalf of Engineer- mula by Hydro-Chemical Gaugings," presented and discussed, 234.

United States Food Administration. VESTAL, WILLIAM BAXTER.-Elected an Associate Member, 600.

Member, 107.

VOLLMAR, JOSEPH EDWARD.—Elected an Associate Member, 988.

VOYNOW. CONSTANTINE BORISSON .-Transferred to Grade of Member.

VORCE, CLARENCE BROWNING .- Death announced, 234.

Voss, Walter Charles .- Elected an Associate Member, 108.

WADDELL, J. A. L .- Paper by, 454; Discussion by, 454.

NEEDHAM . EVERETT. -Transferred to Grade of Member, 108.

WAGNER, BERNARD MATTHEW .- Death announced, 785.

WAGNER, SAMUEL T.—Elected a Director, 106, 129; On Library Presides 238; Committee. Meeting, 453; Discussion by, 454; On Committee on Reconstruction, 1112.

WAIT, BERTRAND HINMAN .- Transferred to Grade of Member, 456.

EDWARD GEORGE,-Transferred to Grade of Member, 601.

WALL, EDWARD E .- Elected a Director, 106, 129,

WALLEDOM, JESSE JACOB.—Elected an Associate Member, 988.

CHARLES. -WALLER, ALEXANDER Elected an Associate Member,

WALSH, PHILIP JOSEPH.-Transferred WEED, LLOYD WOOLSEY.-Transferred to Grade of Associate Member, 456.

War, Committee on Reconstruction After the .- Resolution Relative to Appointment of, 784.

Technical, Committees, and Technical Societies of the United States.—Conference of, 10.

Relative to Removal of Building Restrictions by, 1126.

War Relief, Letter from Secretary of Welden. Ernest.—Elected an Asso-Professional Classes, of Ameri-

War Revenue Act of 1917 .- Resolution of Board of Direction Re- Wells, James Parrish .- Elected an lative to Action of Local Association on Resolutions of Execu- Wells, Walter Melvin .- Elected an tive Committee on, 457, 461.

VITERBO, LIONEL RENE.-Elected a War Service Committees, Reconstruction Congress of .- Statement Relative to, 1123.

WARD, EDWARD ASHTON .- Transferred to Grade of Associate Member, 601

WARDROP, G. DOUGLAS .- Address by, 990.

WARMAN, WILLIAM RYMOND. -Elected an Associate Member, 988.

WARREN, GEORGE EDWARD.-Elected an Associate Member, 988.

Water Code, Proposed, for Arizona .-Statement Relative to, 1131.

Water Rights, Special Committee on Regulation of .- Progress Report of, 105, 123; Report of Committee on Special Committees on Work of, 246.

WATERBURY, LESLIE ABRAM.—Death announced, 785.

WATERHOUSE, JOHN. - Death announced, 235.

WILLIAM LAWRENCE. -WATERS. Elected a Member, 348.

WILLIAM. -WATKINS, FREDERICK Death announced, 785.

WATT, ROBERT FARQUHAR.-Elected a Junior, 787. WEBB, DANIEL JOHN HENRY .- Elected

an Associate Member, 1103.

WEBSTER, GEORGE S .- On Finance Committee, 238; On Committee on Engineering of National Research Council. 602.

WEED, IRVING. — Elected a Member, 348.

to Grade of Associate Member, 350.

WEEKES. CLIFTON L'ORIGNAL. -Death announced, 990.

WEEKS, HARRY ARTHUR .- Death announced, 990.

WEFEL, WALTHER JOHN.—Elected an Associate Member, 786.

War Industries Board.—Statement WEGMANN, EDWARD.—Discussion by, 107.

WEIDEL, JOSEPH. - Transferred to Grade of Member, 1104.

ciate Member, 455.

Wells, Emery.-Elected an Associate Member, 988.

Associate Member, 349.

Associate Member, 786.

an Associate Member, 600.

Associate Member, 349.

WERNECKE, CHAUNCY. - Transferred WINSOR, HARRY DRAPER.-Elected an to Grade of Associate Member,

WEST. ROBERT KIRBY.-Elected a Member, 988.

WEST, WADE CLARENCE.—Transferred to Grade of Member, 601.

Western Society of Engineers.—Appointment Approved, As Member of Engineering Council, 994.

WHEELER, HENRY LEWIS .- Elected an Associate Member, 108.

WALTER AUSTIN .- Trans-WHEELER, ferred to Grade of Member, 350. WALTER HALL.-Elected

an Associate Member, 600. BARCLAY.—Transferred WHITE,

Grade of Member, 456. WHITE, FRANK OSMOND.-Elected an

Associate Member, 108. WIDDICOMBE, STACEY HARRISON.-

Elected a Junior, 349. WIGHT, EDWARD AUGUSTUS .- Elected

a Junior, 349. WILBUR, WILLIAM EDWARD.—Elected

an Associate Member, 988. WILCOX, ERNEST HARDWICK.—Elected

a Member, 107. WILCOX, FRED ELMER .- Death announced, 351.

WILDER, ELLWOOD COGGESHALL .-Transferred to Grade of Associate Member, 598.

WILEY, WILLIAM H .- Letter from, Relative to Proposed Formation of American Academy of Engineers, 237

WILKINSON, THOMAS L .- On Committee on Development, 888.

WILLARD, ERNST VICTOR. - Transferred to Grade of Member, 788.

CLEMENT CLARENCE. Transferred to Grade of Member, 989.

WILLIAMS, GARDNER S .- On Committee on Development, 888.

WILLIAMS, JOHN ALONZO.—Elected an Associate Member, 1103.

an Associate Member, 108.

Welsh, Russell Dutton.—Elected Wilson, Henry Harrison.—Elected an Associate Member, 1103.

WELTY, PERRY ALLEN.-Elected an WILSON, NORMAN KENNETH .- Elected a Junior, 787.

Associate Member, 597.

WINTON, WALTER FERRELL.ferred to Grade of Associate, 109. WITTEN, DONALD.—Elected an Associate Member, 786.

WOLTMANN, JESSE JOHN.—Elected an Associate Member, 786.

Women, Technical Instruction for .-Action of Board of Direction Relative to Resolution of Detroit Section of American Society of Mechanical Engineers in Regard to, 602.

WOODARD, SILAS H .- Appointed Teller to Canvass Ballot for Officers, 103, 110; Discussion by, 598; Appointed to Represent Society on Engineering Foundation, 602.

WOODIN, EARL BELMONT.-Elected an Associate Member, 597.

WOODLE, ALLAN SHELDON, JR.—Transferred to Grade of Member, 350.

Woodson, James Baker.—Elected an Associate Member, 455. WOODWARD, SHERMAN MELVILLE.

Elected a Member, 454. WOOLLEY, WILLIAM JOHN MOORE .-

Elected a Member, 1102. WRIGHT, AUGUSTINE WASHINGTON .-Death announced, 235.

WRIGHT, EDWARD.—Elected a Member. 988.

WYATT, KIRBY KENNEDY.—Elected an Associate Member, 988.

WYCKOFF, MAURICE MAYER .an Associate Member, 108.

YATES. JOSEPH JOHNSON.—Transferred to Grade of Member, 989. Yost, Frank Dennett.—Elected an Associate Member, 455.

Young, Charles Clinton .- Elected an Associate Member, 600.

Young, Enving Mandeville,—Elected an Associate Member, 988.

Youngs, Walter Charles.-Elected an Associate Member, 1103.

WILLIAMSON, JOHN KENNEDY.—Elect- ZEISLOFT, EARL ALDERFER.—Elected ed an Associate Member, 349. an Associate Member, 597. WILLIS, MERTON. HORATIO.—Elected ZELTNEB, EDWARD LOUIS.—Elected a

Junior, 349.